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ABSTRACT

The purpose of the second-year activities of this project was to develop a comprehensive inventory of available vocational curriculum material throughout the State of Pennsylvania, to determine weaknesses in funding efforts, and to provide suggestions by which to establish an efficient and effective funding pattern. The objectives were accomplished through on-site visitations to selected school districts and dissemination of a survey instrument to directors of area vocational-technical schools. The results of the study include (1) the development and dissemination of a special report outlining the location, description, and nature of state-funded vocational curriculum development projects in Pennsylvania, 1971 to 1976 (which constitutes the second half of this document); (2) the identification of administrators' perceptions of state-funded vocational curriculum development projects; and (3) suggested guidelines for the development of instructional materials and funding patterns. (Author/JH)

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THE
PENNSYLVANIA
STATE
UNIVERSITY
DEPARTMENT
OF
VOCATIONAL
EDUCATION

FINAL REPORT

EVALUATION OF FUNDED PROJECTS FOR DEVELOPMENT OF VOCATIONAL INSTRUCTIONAL MATERIALS

(Conclusion of two year project)

19-7805

(Project No. ~~19-6812~~)

Frederick G. Welch
Project Director

John J. Vincent
Project Coordinator

June 1978

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
NATIONAL INSTITUTE OF EDUCATION

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TABLE OF CONTENTS

	Page
ACKNOWLEDGEMENTS	iii
ABSTRACT	iv
BACKGROUND OF THE PROBLEM	1
PROCEDURES	
A. Strengths and Weaknesses	3
B. Comprehensive Listing of State Funded Curriculum Projects	19
C. Funding Sources	20
D. Future Funding Patterns	23
E. State Curriculum Committee	25
CONCLUSIONS AND RECOMMENDATIONS	26
APPENDICES	
A. Sample Survey and Introductory Letter	29
B. Location Description and Nature of State Funded Curriculum Development Projects	33

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Sincere thanks is also given to Dr. John Glenn, Dr. Jerome Kapes, and Dr. Curt Finch for their many valuable suggestions and cooperation provided to accomplish the research project.

ABSTRACT

19-6812: Evaluation of Funded Projects
for
Development of Vocational Instructional Materials
(Second year of a two year project)

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$24,202.00 Federal
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The purpose of the second year activities of this project was to develop a comprehensive inventory of available vocational curriculum material throughout the state, to determine weaknesses in funding efforts and to provide suggestions by which to establish an efficient and effective funding pattern.

Objectives:

1. To continue to identify the strengths and weaknesses of vocational curriculum development projects in use throughout the state.
2. To develop a comprehensive listing of the nature and location of curriculum materials available which will be disseminated to VEIN for future usage.
3. To determine weaknesses and strengths in the funding efforts and the results of the curriculum projects.
4. To determine to the degree possible, where future fundings for curriculum development may be best placed for maximum results.
   (a) To develop a list of a criteria and background needed for maximum benefit from curriculum materials projects.

(b) To identify those characteristics which hinder or promote the proper utilization of funding.

(c) To determine to what extent local, county, state, AVTS, intermediate unit or major university input has on results and what effect the amount of funding allocations are in terms of expected outcome.

5. To work closely with the State Curriculum Committee and the V-TECS Coordinator to provide input as well as to receive, to some extent, directions for this project.

Outcomes:

The objectives of this project were accomplished through the on-site visitations to selected school districts and dissemination of a survey instrument to directors of area vocational technical schools. These activities resulted in:

1. The development and dissemination of a special report outlining the location, description and nature of state funded vocational curriculum development projects in Pennsylvania 1971 to 1976.
2. The identification of administrators perceptions of state funded vocational curriculum development projects.
3. Suggested guidelines for the development of instructional materials and funding patterns.

Audience:

The results of this project activity is useful to all individuals involved with vocational education throughout the state.

Publications and Available Material:

- Final Report
- Survey and Evaluation Instruments
- Administrators Report - Location, Description and Nature of Vocational Curriculum Development Projects in Pennsylvania

BACKGROUND OF THE PROBLEM

During the initial year the project identified that over seven million dollars has been provided mostly by federal and state funds for development of approximately twelve-hundred (1200) vocational curriculum projects during the school years 1970-71 to 1975-76. Of course, if local funds for curriculum development could be identified then this seven million dollars could be several times larger. Through the implementation of a telephone survey and on-site visitations to some of the larger projects (in terms of dollar cost) it was learned that while many prime instructional materials do exist, there are some which produced very little effective material. The question arises as to how or why can one fu ded project utilize monies for the successful development of instructional materials while others produce very little as compared to the amount of funding received?

With the continuation of its initial intent, the project identified the strengths and weaknesses of curriculum materials to develop guidelines for the future development of such materials. Information was also collected to provide suggestions to further establish guidelines for funding vocational curriculum projects. The determination of strengths and weaknesses of curriculum materials in existence and identification of those factors which may have influenced the proper or improper utilization of funds also took place throughout the course of this project.

Also inherent to the identification of those problems associated with the development of a viable curriculum delivery system is the local administrator perceptions. Thus, the development and dissemination

of a survey instrument was utilized to ascertain the concerns of vocational directors as it relates to state funded curriculum development projects.

PROCEDURES

For the purpose of describing to the reader, the procedures by which the objectives of this project were accomplished, each of the following activities will be described:

A. The identification of strengths and weaknesses of state funded vocational curriculum development projects.
B. The development of a comprehensive listing of state funded vocational curriculum projects.
C. A description of funding sources and the resultant curriculum product.
D. Future funding patterns.
E. Collaboration with State Vocational Curriculum Committee.

A. Strengths and Weaknesses

During the first year activities of the project a group of consultants was brought to the Pennsylvania State University to develop strategies by which to evaluate strengths and weaknesses of curriculum development projects.

During the two-day meeting held in January, 1977 the individuals brought in as consultants were presented with a comprehensive listing of past and current curriculum project descriptions and asked to address three issues:

A. What type of projects should be examined?
B. Which specific projects should be evaluated?
C. How can curriculum projects be evaluated?

In response to issue "A" above (What type of projects should be examined?), it was determined that any projects should be considered which possessed one or more of the three following criteria:

1. The project required adaptation or creation of new software.
2. The project utilized previously non-existent hardware with learners.
3. The project necessitated a retraining of staff in preparation of curriculum development activities.

In response to issue "B" (Which projects should be evaluated?), it was determined by the committee that the evaluation process itself should involve three activities:

1. Certain projects should be evaluated by on-site visitation to determine teacher and administration perceptions of their projects.
2. Some project sites should be contacted by phone to ascertain the initiators perceptions of effectiveness.
3. All software or curriculums which developed courses of study for student use should be evaluated for effectiveness.

Based on input from the consultants suggestions, an evaluation instrument was developed to ascertain the local Area Vocational-Technical Schools administrators perceptions of curriculum development projects. This survey was then disseminated to 95 administrators of vocational education programs of which 67 (70.5%) responded. Found on the following pages are selections from items of that survey which serve to surface aspects of the state funded curriculum development process which are of concern to Pennsylvania Vocational Administrators. (A sample of the instrument ard introductory letter appears in the appendices.)

Survey Results: Administrators Perceptions of State Funded Vocational Curriculum Development Projects

Found below and on the following pages are the results of the above survey. This information is then followed by a synopsis of the implications derived from the analysis of the instrument.

(95 Survey's Disseminated 67 (70.53%) Returned)

		Yes (%)	No (%)	No Response (%)
1.	Has your school program received monies specifically for the development of vocational curriculum materials?	31(46.27)	35(52.24)	1(1.49)
2.	Do you feel that administrators are knowledgeable about how to obtain state monies for the development of curriculum materials?	37(55.22)	27(40.3)	3(4.48)
3.	Do you feel that there is an over-abundance of state funds allocated for the development of curriculum materials?	8(11.94)	27(40.3)	4(5.97)
4.	After state funds for a curriculum development project have expired is the local district reluctant to maintain on-going costs?	49(73.13)	14(20.90)	4(5.97)

		Yes (%)	No (%)	No Response (%)
5.	In general, do you feel that teachers expect to receive extra compensation for time spent in the development of curriculum materials?	63(94.03)	2(2.99)	2(2.99)
6.	Do you feel that there is a need to update administrators on new methods of developing vocational curriculum materials?	57(85.07)	7(10.45)	3(4.48)
7.	Do you feel that an individual should be available to each school to serve as a curriculum development specialist?	44(65.67)	21(31.34)	2(2.99)
8.	Do you feel that there is a constant problem of updating already developed curriculum materials?	52(77.61)	13(19.40)	2(2.99)
9.	In general do you feel that teachers are cooperative and receptive to learning how to develop curriculum materials?	33(49.25)	26(38.81)	8(11.94)
10.	Do you feel that most vocational teachers are adequately competent in developing curriculum materials?	13(19.40)	50(74.63)	4(5.99)

		Yes (%)	No (%)	No Response (%)
11.	In general do you feel that teachers are reluctant to use curriculum materials developed by other individuals?	23(34.33)	42(62.69)	2(2.99)
12.	In general do you feel that teachers are reluctant to up-date the content of his/her curriculum material?	39(58.21)	27(40.30)	1(1.49)
13.	Is there a reluctance on the part of teachers to accept new methods of developing curriculum materials?	49(73.13)	14(20.90)	4(5.97)
14.	Do you feel that there should be more emphasis placed on evaluating the success of curriculum development projects?	55(82.09)	10(14.93)	2(2.99)
15.	Do you feel that there should be a uniform system for evaluating the success of curriculum development projects?	46(68.66)	18(26.87)	3(4.48)
16.	Do you feel that state funded curriculum materials, developed in your school, should be available to other schools?	65(97.01)	0(0)	2(2.99)

		Yes (%)	No (%)	No Response (%)
17.	Do you feel that there should be more emphasis placed on a blending of curriculum between secondary post-secondary schools?	51(76.12)	11(16.42)	5(8.46)
18.	Do you feel that there should be more emphasis directed towards eliminating duplication between schools in conducting the same type of curriculum development project?	57(85.07)	10(14.93)	0(0)
19.	Do you feel that there should be more information available to inform you what other schools are doing in the area of curriculum development?	65(97.01)	1(1.49)	1(1.49)
20.	Do you feel it would be beneficial to receive periodic information describing the location and nature of state funded curriculum development projects?	62(92.54)	5(7.46)	0(0)
21.	Do you feel that statewide curriculum development projects such as the Penn State course of study projects are beneficial to your efforts in developing curriculum materials?	57(85.07)	10(14.93)	0(0)

		Yes (%)	No (%)	No Response (%)
22.	Are you familiar with the intent and nature of the V-TECS curriculum material?	55(82.09)	10(14.93)	2(2.99)
23.	Do you feel that V-TEC in itself is a comprehensive curriculum which can be used without support material?	2(2.99)	58(86.57)	7(10.45)
24.	Do you feel that locally developed curriculum materials are more beneficial than state-wide curriculum projects?	32(47.76)	21(31.34)	14(20.90)

Some researchers are reluctant to ask for written responses in conducting research surveys. The truth of the matter is that in order to resolved a particular issue it is most essential that you have the opportunity to communicate your thoughts. Could you please describe below your opinions of state funded curriculum development projects. Thank you.

GENERAL COMMENTS

"If quality is the emphasis then they are fine. However, in too many cases the interest was only in money received."

"I feel that the state should be going in one direction. If it is V'TECS so be it, if it is to be the university development approach then concentrate on that. There should also be an effort made to stop individulas at the state level from approving "set" projects. Unfortunately at the state level is priority number one."

" A local school does not have the resources, time and talent to do it. It can be done on the state level. If you could do what is suggested on this 2nd page, it would be a great help. The recent V'TECS & DPR curriculum workshops have been very helpful."

"There appears to be a duplication of effort."

"Insufficient funds available to begin to meet the needs at the local or state level."

"I believe that when a group of teachers from a craft area are assembled to cooperatively develop curriculum, the resulting course materials can be adapted to local situations. I think V'TECS is a waste of money and is a nice way of maintaining employment for researchers and coordinators."

"Most state funded curriculum projects did not have money in the budget to reproduce and distribute their work. The state of Pennsylvania should have been ahead of V'TECS."

"I think your questions could be worded to avoid the yes or no responses."

"Money is not the problem it is generally time and talent."

"State funded projects are fine, suggest strong implementation of final curriculum by the state to mandate use of that curriculum. Additions to curriculum to meet local conditions would be optional to the district."

"Comprehensive high schools, vocational programs are ignored. Funding if any is handled by school chief administators who seldom is familar with vocational education. They think that vocational programs can be conducted the same as a social science course, "Read Chapter 13 and Respond."

"The curriculum materials prepared by Penn State are indeed courses of study while V'TECS is at best an occupational analysis."

"Have not had need to review curriculum development projects except recent ones by Penn State - reaction to these has been good and the instructors are receptive for their use."

"I endorse as most efficient way of getting more uniform instructional programs."

"If money is used as intended, this is an excellent way in which curriculum can be developed. I think workshops in which outside consultants are used can be very effective."

"The projects that have been funded since 1970, to my knowledge, have been varied and each demands evaluation independence from others. The value of projects in our schools has been to sharpen staff awareness of improvements, sharing techniques and getting out of ruts. Our materials have been shared and have received praise. There may be some advantage to focusing on state wide needs."

"They do not always address the particular needs of various districts."

"Local Advisory Committees are becoming disturbed in regard to the time they spent (free of charge) in that many of their suggestions of need in the community is "shot down" by suggestions coming from distant communities with different needs."

"Most funded projects in an AVTS are never released to other schools. Federal funds are split into catagories so that the work involved in preparing the projects is many times not worth the effort. We are still using separate DEBE 134's for each area in vocational education if the various items are to be used in all areas. Excessive restrictions are in the excessive amounts of disadvantaged and handicapped funds. When on one hand we are to mainstream students but when it comes to federal funding the funds are evidently designed to separate the students. If the funds were distributed on Revenue Sharing basis, it would be much easier to spend the funds where needed and not try to make up projects to justify the use of funds."

"I am in favor if the proper people, experienced in curriculum development are utilized. Most state funded projects are top-bearing with administrators drawing a fat fee."

"No, but I would suggest you read your survey questionnairs

"Some are excellent, can be helpful, but not used in it's present form."

"A more effective method of providing hard copy of newly developed curriculum matters should be developed."

"Materials received thus far from state project have been very well done."

"In addition to improved curriculum development, there should be more programs designed to get instructors back into business or industry for "up-date" and pre-professional work in their fields."

"Have not seen the results of these projects developed at other schools."

"Too much funding awarded colleges and universities in curriculum developments; the product is never utilized."

"The teachers wish to be paid and then some are better than others and a control of "trade dates" becomes a hassel. The union in our district makes it mandatory they be involved and we must okay "subs" or $13.00 per hour and quality and content be controlled. When money is gone some will finish others will not. They do not wish to discuss their work and state money says we share. I would write a dissertation on this. Penn State or any other agency must be aware of act 195 and how each districts contract applies the courses of curriculum participants."

"As an administrator my opinions differ greatly from those of modern unionized teachers. Although I do agree that most guidelines coming from the state department or from the university are oriented for the Philadelphia schools. They are also so choked with objectives and the philosophy of objectives that they become burdensome."

"Cost to much...never see results."

"The opinionaire indicated a hostility to V'TECS, rather than recognizing it as a tool which could enhance any curriculum effort."

"Too much duplication."

"It seems to me that each year a new fad comes out about curriculum development. One time it gives all broad areas. Make up jobs, make up tests, someone likes the work and wants everyone to change and use that work. Lets stop all the changing just for changing and get on to using what will produce the best job ready students as an end result. If it works for you and employers want your students, use it."

"I am very concerned that some areas of funding are not available to full and part-time Voc-Tech schools, only to local districts."

Analysis of Survey

Throughout the developmental process of constructing viable curriculum in Pennsylvania vocational system, the State Department of Education has a commitment to provide teacher education programs, as well as local school districts with the financial support to construct and implement various curriculum processes.

During the period of 1971 to 1976 in the area of curriculum development, the state was allocated approximately 7 million dollars to support curriculum development projects spanning the six vocational disciplines.

Although this amount includes monies allocated to state universities for teacher-education projects, the majority of the funding was disseminated to local school districts for in-house curriculum development projects.

For the most part, the curriculum development projects mainly focused on the development of courses of study for particular trade areas and many projects addressed the issue of individualizing instruction.

The process of funding projects for curriculum at the local school districts is indeed a necessary function. Schools are provided the opportunity to adequately train instructors, courses are able to be kept up-to-date and the local district does not have to absorb the total cost of maintaining viable teaching procedures.

There is however, a major concern at the state level in that just what does Pennsylvania have to show for the 7 million dollar investment to develop methods to educate youths for employment? In a preliminary study that was conducted for the state research coordinating unit, a survey was disseminated to 95 administrators of vocational education programs of which 67 or 70.5% responded. Following is a selection of items from that survey which can serve to surface, aspects of the state funded curriculum development process which are of concern to Pennsylvania vocational education.

Do you feel that there is an over-abundance of state funds allocated for the development of curriculum materials?

11.9% Yes 82.1% No 5.6% No Response

The majority of vocational administrators indicate that not too much is being spent to support state funded projects. Although there have been more than 1,200 curriculum projects in Pennsylvania (1971-76), the local administrator is more than anxious to secure aid in developing staff competencies and absorbing the cost of instructional equipment (i.e. - materials, video-tapes, computer assistance, etc.)

After state funds for a curriculum development project have expired, is the local district reluctant to maintain on-going costs?

73.1% Yes 21% No 6% No Response

A problem facing administrators is that very frequently a school district because of state support, is able to implement a particular curriculum process. After the funding period ends, the local tax structure is not capable of maintaining the process. Such circumstances could be reduced with gradual district commitments as well as utilizing some form of alternative planning system to still make the project worthwhile.

In general, do you feel that teachers expect to receive extra compensation for time spent in the development of curriculum materials?

94% Yes 3% No 3% No Response

It is very interesting to note that administrators perceive

teachers as expecting extra pay for the process of educating. The development of curriculum is a necessary function to educate, therefore, there must be some type of values established on the part of teachers to understand that this process is one required of them upon entering the teaching profession. It is not understood how anyone can view the development of curriculum as extra work justifying extra compensation.

Do you feel there should be an individual available to each school to serve as a curriculum specilist?

65.7% Yes 31.3% No 3% No Response

There has been some mention at the state level in introducing a vocational curriculum specialist certification. The response to this item seems to substantiate that administrators are looking for the support necessary to aid in the development of curriculum materials.

Do you feel that most vocational teachers are adequately competent in developing curriculum materials?

19.4% Yes 75% No 6% No Response

As can be seen, administrators feel that instructors are not capable of adequately constructing curriculum. This would substantiate two views of approach first, perhaps a specialist should be available to help carry out the function and secondly, perhaps a closer look at teacher-education programs in order to help resolve the issue.

Do you feel that there should be more emphasis placed on evaluating the success of curriculum development project?

82.1% Yes 15% No 3% No Response

A concern of some Pennsylvania educators is justifying how successful or worthwhile some curriculum development projects are. The response to this item indicates that administrators are very interested in receiving evaluations of projects to help aid in reaching their intended objectives. The State Department of Education should develop methods that insure constructive evaluation of how state funds are utilized, thus aiding in the development of a better product for the money invested.

Do you feel that there should be more emphasis placed on a blending of curriculum between secondary at post-secondary schools?

76.1% Yes 16.4% No 8.5% No Response

The articulation of secondary and post-secondary programs has been an issue of vocational administrators for the past decade in Pennsylvania. The response to this item indicates that secondary administrators agree. Perhaps there is a need for the state to provide more assistance and direction to allow students to make a smoother transition from secondary to post-secondary programs.

Do you feel there should be more emphasis directed toward eliminating duplucation between school in conducting the same type of curriculum projects?

85.1% 15% No 0% No Response

One of the major concerns that served to develop this particular research activity was the fact that many schools conduct the same type of curriculum project, (but) fail to share information. Schools in general are not knowledgeable about what others are accomplishing that could enhance their programs. Progress is built upon the success (or failure) shared by others.

Do you feel there should be more information available to inform you what other schools are doing in the area of curriculum development?

97% Yes 1.5% No 1.5% No Response

The response to this item further substantiates the previous question. Administrators are interested in knowing what others are doing. There is very little reason that a method could not be developed whereby administrators could receive periodic information describing the location and nature of curriculum projects throughout the state.

Do you feel that state and/or national curriculum materials (Penn State and V-Tecs) are beneficial to your efforts in developing curriculum materials?

85% Yes 15% No 0% No Response

Administrators are anxious to receive aid in the development of curriculum materials. The response to this item indicated that state and/or national materials can only aid in helping the local school district to enrich their educational programs. The use of state and/or national materials can serve as a foundation upon which to build, thus, helping to alleviate the problem of duplication and

also providing information to maintain an up-dated occupational method of instruction.

The problem of curriculum in Pennsylvania is now only beginning to attain its proper level of production. Up to this point, instructors have simply been transferring occupational skills by hit and miss methods.

With the availability of V'Tecs and other products the instructor now has available, an indepth job or task analysis by which to construct a viable curriculum format. Coupled with information as to what others are doing, it seems that vocational instructors could have available the necessary components to prepare youth better for the world of employment. There is, however, a major need for instructors to receive training on what the learner experiences best lead to achievement of the tasks in which learner should become competent. Learning experiences in vocational education must also take into account the learning style of the learner. Although many schools conduct vocational planning inventories to assess the entry level abilities of students, very little is done to individualize teaching styles to accomodate the learners development. True that vocational instructors allow each student to progress at his/her own rate, however, learning experiences are often times group procedures which may or may not help the learner progress.

Along with the need for instructors to adapt, so too is the need for vocational schools to supplement occupational courses with CORE programs that aid the student in developing a complete

occupational concept. For instance, building trades must be supplemented with math, electricity with blue print reading and math and so forth. The curriculum must also occur with programs that aid in developing affective competencies. Human relations, attitudes, and values must be taught in order to insure that vocational graduates enter the world of work as proud productive citizens.

B. Comprehensive Listing of State Funded Curriculum Development Projects

As a result of the vocational administrators perceptions of state funded curriculum projects, described in the preceding section, it was emphasized that a sharing of knowledge about projects, must be upgraded. Based on this fact a comprehensive listing of curriculum development projects was developed and sent to all Pennsylvania administrators of vocational programs. This information was disseminated under a separate publication entitled, Location, Description, and Nature of State Funded Vocational Curriculum Development Projects in Pennsylvania 1971 - 1976. (The main text of that publication appears in the appendices of this final report. However the publication disseminated to administrators did not include any dollar amounts for purposes of confidentiality.)

The information contained in that report was developed by visiting the Pennsylvania Bureau of Vocational Education Head of Documents Section. The information obtained from that department included dollar amount, art funding sources for various pro-

jects. Project abstracts submitted by local vocational programs were then reviewed to obtain information which provided the location description and nature of curriculum projects in Pennsylvania.

C. Funding Sources

During the initial phase of this project it was necessary to acquire information which brought forth how much money has been spent on curriculum development projects in Pennsylvania. Through the cooperation of the Department of Vocational Education in Harrisburg, Pennsylvania the comprehensive listing described in the preceding section, was developed along with dollar amounts for each of the projects. The majority of the information obtained could only be traced back to the 1970-71 school year. A breakdown of the total number of projects, funding sources, and local and federal monies allocated is found below and on the following pages. It can be seen that $9,681,772.00 was expended for curriculum development projects for the period 1970-71-to-76-77. However, it must be emphasized that this figure does not represent the total which would appear, if information for all sources were available prior to 1970-71. Also the figures do not include any amounts pertaining to Part C and Part D project sources.

Identification of Project Funding Breakdowns:

YEAR	SOURCE	NUMBER OF PROJECTS	AMOUNT OF FUNDING LOCAL	FEDERAL	TOTAL
1975-76	Part "B" - Postsecondary	27	$70,302	$244,784	$ 315,086
	Part "B" - Disadvantaged	5	5,346	2,299	7,645
	Part "B" - Handicapped	7	550	38,765	39,315
	Part "B" - Ancillary	14	17,093	111,152	128,245
	Part "A" - Disadvantaged	3	--	3,580	3,580
	Part "G" - Co-op	2	125	1,450	1,575
	Part "F" - Consumer/Homemaking (regular)	51	10,177	135,204	145,381
1974-75 (carry-overs)	Part "B" - Postsecondary	10	8,450	23,024	31,474
	Part "B" - Disadvantaged	4	300	7,352	7,652
	Part "B" - Handicapped	1	--	10,130	10,130
	Part "F" - Consumer/Homemaking (regular)	7	1,505	10,177	19,682
	Part "F" - Consumer/Homemaking (depressed)	49	6,593	33,898	40,491
1974-75	Part "B" - Secondary	6	62,120	89,000	151,120
	Part "B" - Postsecondary	16	20,987	76,430	97,417
	Part "B" - Adult	2	4,158	21,360	25,518
	Part "B" - Disadvantaged	12	13,628	26,438	40,066
	Part "B" - Ancillary	6	6,390	96,657	103,047
	Part "A" - Disadvantaged	5	7,105	1,200	8,305
	Part "F" - Consumer/Homemaking (regular)	2	1,136	10,529	11,665
	Part "F" - Consumer/Homemaking (depressed)	20	(Not Available)		--
	Part "G" - Co-op	2	600	4,648	5,248
	Part "B" - Teacher Education	8	152,952	134,411	287,363
1973-74 (carry-overs)	Part "B" - Secondary	1	500	--	500
	Part "B" - Postsecondary	2	558	40,728	41,286
	Part "B" - Ancillary	1	--	6,400	6,400
	Part "A" - Disadvantaged	1	--	3,271	3,271
	Part "B" - Handicapped	1	4,000	--	4,000
	Part "F" - Consumer/Homemaking (regular)	4	440	16,134	16,574
	Part "F" - Consumer/Homemaking (depressed)	22	14,714	78,843	93,557
1973-74	Part "B" - Regular	6	45	38,892	38,937
	Part "B" - Postsecondary	13	15,200	68,460	83,660
	Part "B" - Disadvantaged	31	89,466	524,189	613,655
	Part "B" - Handicapped	29	33,611	471,672	505,283
	Part "B" - Ancillary	14	29,153	118,573	147.726
	Part "A" - Disadvantaged	17	37,737	129,539	167,276
	Part "F" - Consumer/Homemaking (regular)	16	895	170,618	171,513
	Part "F" - Consumer/Homemaking (depressed)	30	1,454	36,535	37,989

YEAR	SOURCE	NUMBER OF PROJECTS	AMOUNT OF FUNDING LOCAL	FEDERAL	TOTAL
1972-73 (carry-overs)	Part "B" - Secondary	1	$ --	$ 23,439	$ 23,439
	Part "B" - Secondary (impounded)	4	500	2,700	3,200
	Part "B" - Postsecondary (impounded)	7	9,100	80,004	89,104
	Part "B" - Disadvantaged	0	--	--	--
	Part "B" - Handicapped	1	--	8,385	8,385
	Part "B" - Ancillary	9	6,400	85,500	91,900
	Part "F" - Consumer/Homemaking (regular)	1	--	42,105	42,105
	Part "F" - Consumer/Homemaking (depressed)	6	275	15,928	16,203
	Part "F" - Consumer/Homemaking (regular) (impounded)	7	900	11,009	11,909
	Part "F" - Consumer/Homemaking (depressed) (impounded)	19	611	34,886	35,497
	Part "A" - Disadvantaged (impounded)	8	--	15,800	15,800
1972-73	Part "B" - Regular	10	4,510	22,673	27,183
	Part "B" - Disadvantaged	14	15,854	10,780	26,634
	Part "B" - Handicapped	9	30,660	33,084	63,744
	Part "B" - Adult	1	400	--	400
	Part "B" - Ancillary	9	90,355	192,915	283,270
	Part "A" - Disadvantaged	6	2,020	15,408	17,428
	Part "F" - Consumer/Homemaking (regular)	29	2,166	47,987	50,153
	Part "F" - Consumer/Homemaking (depressed)	47	12,619	63,876	76,495
	Part "G" - Co-op	3	1,625	--	1,625
1971-72 (carry-overs)	Part "B" - Regular	4	29,093	3,100	32,193
	Part "B" - Disadvantaged	6	514	19,515	20,029
	Part "B" - Handicapped	9	3,316	24,166	27,482
	Part "B" - Ancillary	12	55,035	98,118	153,153
	Part "F" - Consumer/Homemaking (depressed)	1	--	589	589
	Part "G" - Co-op	2	390	4,140	4,530
1971-72	Part "B" - Regular	44	13,584	163,772	177,356
	Part "B" - Disadvantaged	30	22,441	69,776	92,217
	Part "B" - Handicapped	11	28,210	24,247	52,457
	Part "B" - Adult	1	500	--	500
	Part "A" - Disadvantaged	10	4,637	22,284	26,921
	Part "B" - Postsecondary	4	3,907	14,730	18,637
	Part "B" - Ancillary	11	234,998	184,622	419,620
	Part "D" - Exemplary	2	3,067	7,450	10,517
	Part "F" - Cons./Hmk. (depressed)	76	16,468	183,988	200,456
	Part "F" - Cons./Hmk. (regular)	38	12,837	88,712	101,549
	Part "G" - Co-op	19	6,156	10,681	16,837

YEAR	SOURCE	NUMBER OF PROJECTS	AMOUNT OF FUNDING LOCAL	FEDERAL	TOTAL
1970-71 (carry-overs)	Part "B" - Regular	15	$ 420	$ 41,063	$ 41,483
	Part "B" - Secondary	3	977	6,477	7,454
	Part "B" - Ancillary	5	12,010	66,904	78,914
	Part "A" - Disadvantages	1	7,200	5,350	12,550
	Part "G" - Co-op	9	2,829	26,478	29,307
	Part "F" - Consumer/Homeaking (regular)	21	13,105	40,850	53,955
	Part "F" - Consumer/Homemaking (depressed)	34	21,248	61,050	82,298
1970-71	Part "B" - Regular	118	75,937	992,853	1,068,790
	Part "G" - Co-op	12	18,158	28,158	46,913
	Part "F" - Consumer/Homemaking (regular)	13	17,016	62,072	79,088
	Part "F" - Consumer/Homemaking (depressed)	13	5,943	26,883	32,826
	Part "A" - Disadvantaged	5	20,877	72,095	92,972
	Part "B" - Ancillary	9	43,001	56,204	99,205
	Part "B" - Community College	1	1,786	26,214	28,000
	Part "B" - Postsecondary	8	5,096	54,661	59,757
	Sub-totals:	1,185	$1,476,041	$5,988,620	$7,464,661
1972 - June 1976	Part "D" Examplary	4	77,483		77,483
1972 - June 1976	Part "C" Research	9	252,466		252,466
	Total 1970-71 to 1975-76 all sources:				$7,794,610
July 1965 - June 1971 (includes only major projects)	Part "C" Research	8	601,422	1,285,740	1,887,162
	Grand Total:				$9,681,772

As can be seen from the above summary, a total of $7,794,610 was allocated for curriculum development from school year 1970-71 to 1975-76 from all sources. This, however, is not all inclusive due to the fact that only a portion of information totaling 329,949 was available on Part "D" and Part "C" projects. Also, it was possible to secure information on only major projects in Part "C" for the period of 1965-June 1971 totaling $1,887,162 and figures do not represent sources other than Part "C" for this time period.

D. Future Funding Patterns

During the initial stages of this project, the state of Pennsylvania utilized two general methods of development of vocational curriculum materials. Those methods used were the granting

of project funds to local schools for the development of curriculum materials and the development and dissemination of various courses of study from a project at Penn State University. Although projects at the local level continue to be funded by the State Department of Education. The course of study development project at Penn State has been discontinued. The state has since bought into the V-TEC curriculum development system and indications seem to be that V-TEC will become the main source of curriculum materials in the states vocational delivery system. Also, during this period, the State Department of Vocational Education in cooperation with the Division of Occupational and Vocational Studies at Penn State University are currently establishing Penn State as a Center for Vocational Education in Pennsylvania. A portion of the centers activities will include the development and coordination of curciculum activities, however the extent, degree and direction of those activities have yet to be extablished.

Information obtained from the Administrators perception of State Funded Vocational Curriculum Projects described earlier in this report, can serve as some indications of future funding patterns the state may consider. Found in that survey are responses from administrators which the State Department of Vocational Education may wish to address to determine future patterns of curriculum development projects,

1. 40% of the respondents feel that vocational administrators are not knowledgable about how to obtain state funds for curriculum development projects.
2. 73% of the respondents indicate that the local school district is reluctant to maintain operational costs

of curriculum projects after state funds expire.

3. 94% of the administrators feel that teachers expect to receive extra compensation for time spent in the development of curriculum materials.
4. 65% of the respondents feel that there should be a curriculum development specilist in each school to aid in the development of materials.
5. 85% feel that there should be more emphasis to eliminate duplications of types of projects among schools.
6. 97% indicate that more information should be available as to what activities other schools are involved with in the development of curriculum materials.

Based on these findings along with the incorporation of V-TEC and the center concept it can readily be seen that the future of curriculum development in Pennsylvania rests with the states ability to address the concerns of Pennsylvania Administrators through V-TEC and the Vocational Center at the Pennsylvania State University.

E. Collaboration with State Vocational Curricular Committee

Over the two-year duration of this project a presentation was made to the State Vocational Curriculum Committee to bring to their attention some of the problems faced by Pennsylvania Vocational Administrators in the area of curriculum development. Association with that committee was also to result in the development of a Product Assessment Instrument, which could be used state-wide to assess the viability of curriculum materials. On-going communication with a member of the committee was also fostered to maintain an awareness of the committees progress.

CONCLUSIONS AND RECOMMENDATIONS

This project which was funded for the period of 10/1/77 to 6/30/78 has led to the accomplishment of the specified objectives for the second year's activities. As seen in the text of the report the project has resulted in:

- The development of a comprehensive listing of funded curriculum projects which was disseminated to all vocational programs in the state.
- A breakdown of the amount of funding and the funding source (i.e., Part B - Part C - Part F, etc.) has also been established and is reported in the final report of the first year's activities.
- The selection of funded curriculum projects to be evaluated.
- The development and basic implementation of a strategy to be utilized for the completion of the project.
- Suggested recommendations for consideration of future funding.
- The dissemination of newsletters to vocational educators to orient them to the objectives of the project and inform them of project's status.

During the twelve months of activities of the project there are some general conclusions which may be drawn. Listed below are the observed difficulties which seem to exist in the current structure of curriculum development projects.

1. Schools in general are not aware as to where they can secure instructional materials that already exist. Rather than starting to develop materials with limited resources available, it would be most beneficial to secure information on existing material thus helping to reduce duplication of effort and cost. This perhaps can be done through a newsletter or complete listing made available to all schools.

2. In many cases the information received from administrators is that they face a constant problem with budgetary problems. After a project has been developed and initiated and state funding expires, the local district does not pick up the cost for continuation of the material. This also presents a problem in that equipment which was purchased orginally to enhance the instructional process and sets idle or is used to carry out business operations rather than to facilitate the educational process.
3. In some instances it was also observed that some administrators and some teachers do not possess the background or technical knowledge of viable curriculum development skills. It is recommended that consideration be given to the development of in-service curriculum workshops to develop the "How To" skill of educators.
4. It was also recognized that a large dollar amount is spent on the development of an innovative idea for the total course areas of the total educational program. It is recommended that these projects be first introduced on a trial basis with effective evaluation prior to developing a complete package.

With the completing of on-site visitations to schools, the final development of a product assessment instrument and increasing knowledge of educators that accountability is not just a word the development of this project has enhanced the vocational education process. It is most essential that a more structured format for the imple-

mentation of funded curriculum projects to be developed to not only reduce cost, eliminate duplication of efforts and increase the educators' effectiveness, but most importantly to better prepare vocational students to enter the world of work as proud and productive citizens.

Appendix A

Survey: Administrators Perceptions of State Funded Vocational Curriculum Development Projects

- and -

Introductory Letter

THE PENNSYLVANIA STATE UNIVERSITY
COLLEGE OF EDUCATION
Division of Occupational and Vocational Studies
RACKLEY BUILDING
UNIVERSITY PARK, PENNSYLVANIA 16802

Administrators Perceptions of State Funded Vocational Curriculum Development Projects

Directions: Please check yes or no in the appropriate column and return the completed form in the envelope provided.

		Yes	No
1.	Has you school program received state monies specifically for the development of vocational curriculum materials?	____	____
2.	Do you feel that administrators are knowledgeable about how to obtain state monies for the development of curriculum materials?	____	____
3.	Do you feel that there is an over-abundance of state funds allocated for the development of curriculum materials?	____	____
4.	After state funds for a curriculum development project have expired is the local district reluctant to maintain on-going costs?	____	____
5.	In general, do you feel that teachers expect to receive extra compensation for time spent in the development of curriculum materials?	____	____
6.	Do you feel that there is a need to update administrators on new methods of developing vocational curriculum materials?	____	____
7.	Do you feel that an individual should be available to each school to serve as a curriculum development specialist?	____	____
8.	Do you feel that there is a constant problem of updating already developed curriculum materials?	____	____
9.	In general do you feel that teachers are cooperative and receptive to learning how to develop curriculum materials?	____	____
10.	Do you feel that most vocational teachers are adequately competent in developing curriculum materials?	____	____
11.	In general do you feel that teachers are reluctant to use curriculum materials developed by other individuals?	____	____

		Yes	No
12.	In general do you feel that teachers are reluctant to up-date the content of his/her curriculum material?	___	___
13.	Is there a reluctance on the part of teachers to accept new methods of developing curriculum materials?	___	___
14.	Do you feel that there should be more emphasis placed on evaluating the success of curriculum development projects?	___	___
15.	Do you feel that there should be a uniform system for evaluating the success of curriculum development projects?	___	___
16.	Do you feel that state funded curriculum materials, developed in your school, should be available to other schools?	___	___
17.	Do you feel that there should be more emphasis placed on a blending of curriculum between secondary and postsecondary schools?	___	___
18.	Do you feel that there should be more emphasis directed towards eliminating duplication between schools in conducting the same type of curriculum development project?	___	___
19.	Do you feel that there should be more information available to inform you what other schools are doing in the area of curriculum development?	___	___
20.	Do you feel it would be beneficial to receive periodic information describing the location and nature of state funded curriculum development project?	___	___
21.	Do you feel that state-wide curriculum development projects such as the Penn State course of study projects are beneficial to your efforts in developing curriculum materials?	___	___
22.	Are you familiar with the intent and nature of the V-TEC curriculum material?	___	___
23.	Do you feel that V-TEC in itself is a comprehensive curriculum which can be used without support material?	___	___
24.	Do you feel that locally developed curriculum materials are more beneficial than state-wide curriculum projects?	___	___

Some researchers are reluctant to ask for written responses in conducting research surveys. The truth of the matter is that in order to resolve a particular issue it is most essential that you have the opportunity to communicate your thoughts. Could you please describe below your opinions of state funded curriculum development projects. Thank you.

THE PENNSYLVANIA STATE UNIVERSITY
COLLEGE OF EDUCATION
Division of Occupational and Vocational Studies
RACKLEY BUILDING
UNIVERSITY PARK, PENNSYLVANIA 16802

March 10, 1978

Dear Administrator:

The Division of Occupational and Vocational Studies at Penn State University has undertaken the task of completing a research project on behalf of the State Department of Education.

The name of the project is:

Evaluation of State Funded Curriculum Projects

As a part of this project, it is necessary that we solicit your cooperation and ask you to complete the attached survey form.

It is most essential that we acquire information from you to identify problem areas and suggested recommendations as it relates to acquiring, implementing and maintaining state funded curriculum development projects.

As educators we have the responsibility to continually examine, research, and inquire about problems that we face in the process of educating our youth to prepare them for the world of work.

With this in mind, could you please take a few minutes to complete the enclosed survey. All responses are strictly confidential and a return envelope has been provided for your convenience.

Thank you for considering taking part in this study. Your participation in providing the information requested constitutes your consent.

Sincerely,

John J. Vincent

John J. Vincent
Project Coordinator

JJV/sra

Enclosure

Appendix B

Introductory Letter

- and -

Location, Description and Nature of State Funded

Vocational Curriculum Development Projects in Pennsylvania

1971 - to - 1976

THE PENNSYLVANIA STATE UNIVERSITY
COLLEGE OF EDUCATION
Division of Occupational and Vocational Studies
RACKLEY BUILDING
UNIVERSITY PARK, PENNSYLVANIA 16802

Dear Administrator:

In a recent survey entitled: Administrators Perceptions of State Funded Vocational Curriculum Development Projects, it was indicated by 97% of the respondents that more information should be available to inform administrators what curriculum development activities other schools are involved with.

As a result of your response and interest, the project staff at The Pennsylvania State University is pleased to provide you with the enclosed publication. Found on the following pages, of this text, is information describing the location and nature of State Funded Vocational Curriculum Development Projects in Pennsylvania from 1971-1976.

Although the text does not include all projects which occurred during that period, it does provide the vocational administrator with project descriptions and locations that can be utilized to obtain additional information.

We sincerely hope that this document can serve to stimulate thought, obtain information and help establish a viable communication system in the area of curriculum development in Pennsylvania.

Sincerely,

John J. Vincent
Project Coordinator

JJV/sra

Enclosure

LOCATION, DESCRIPTION AND NATURE OF STATE FUNDED VOCATIONAL CURRICULUM DEVELOPMENT PROJECTS IN PENNSYLVANIA 1971 to 1976

Dr. Frederick G. Welch, Project Director
John J. Vincent, Project Coordinator
105 Rackley Building
University Park, PA 16802

June 1978

Volume 16, Number 6
(Dept. Class. Number)

Preface

As a part of its continuing efforts to conduct research in vocational education, The Pennsylvania State University has recently completed a study entitled: Evaluation of State Funded Vocational Curriculum Development Projects.

As a result of this study, vocational administrators indicated a need for more information as to the type of curriculum activities taking place in Pennsylvania's vocational programs.

To enhance the vocational administrators knowledge of curriculum activities in the state, the following text is designed to provide the reader with the description, location and nature of curriculum projects in Pennsylvania from 1971 to 1976.

It is hoped that this information will help to stimulate a sharing of information among vocational schools and hopefully will allow vocational programs to better prepare youth to enter the world of work as proud and productive citizens.

John J. Vincent
Project Coordinator

VOCATIONAL AGRICULTURE EDUCATION

Proj. #19-3014 — Berks Co. AVTS, Box 602, R.D. #1, Leesport, PA 19533 — C. Robert Zimmerman — $15,850.00

Project Title: DEVELOPMENTAL RESEARCH-AGRICULTURE CURRICULUM DEVELOPMENT & STUDENT RECRUITMENT
Funding Source: Part "C" Research
Dates: 7/1/73-6/30/74

Proj. #20-2008 — Berks Co. AVTS, Box 602, R.D. #1, Leesport, PA 19533 — C. Robert Zimmerman — $25,442.00

Project Title: DEVELOPMENTAL RESEARCH - AGRICULTURE
Funding Source: "D" Exemplary
Dates: 7/1/72-6/30/73

Butler County C.C., College Drive, Oak Hills, Butler, PA 16001, (412) 287-8711 Ext. 126 — John W. Bacon, Director

Project Title: EXPANSION OF PARK MANAGEMENT PROGRAM TO INCLUDE ENVIRONMENTAL SKILLS
Description: Directed to developing and testing module in environmental studies in the Park Management.
Funding Source: (State - Federal Voc. Program)
Dates: July 1975 - June 1976

Proj. #14-6012 — Lancaster County AVTS, 1730 Hans Herr Drive, Box 322, Willow Street, PA 17584 — $ 5,200.00

Project Title: AGRICULTURAL MECHANICS CURRICULUM, FACILITIES AND EQUIPMENT SPECIFICATIONS
Description: This project is being developed at Lancaster County AVTS - Willow Street under the direction of Robert Steffey and Ralph Layman with BVE management by James Fink.
This project will produce a curriculum for advanced secondary and postsecondary students with competencies qualifying students for placement with members of Pennsylvania Farm and Power Equipment Association. It will include recommended training facilities and equipment specifications.
Funding Source: "B" Ancillary
Dates: 1975-1976

Lancaster County AVTS
1730 Hans Herr Drive, Box 322
Willow Street, PA 17584

Description: Develop competencies for secondary students for each Vo-Ag course (Top Priority)
Professional time, clerical help, travel, lodging, subsistence, draft copies, limited printing, supplies and postage.
Funding Source: Part "B" Ancillary
Dates: July 1, 1976-June 30, 1977

The Pennsylvania State University
University Park, PA 16802

Approved Amounts
Federal: $13,812.00
Local: $ 9,094.00

Description: Revision of Curriculum Material in Ag. Ed. Student and Teacher Manuals - Retail Flower Shop, Landscape Maintenance, Milk Marketing, Adapt USDA Tech, Manual
4 - 500 each (Printing 2,000 copies; 2,495 - more than offset by local effort)
Revise camera ready copy of revised teaching materials, professional time, travel, clerical support.
Funding Source: "B" Ancillary
Dates: July 1, 1976-June 30, 1977

The Pennsylvania State University
University Park, PA 16802
Dr. Samuel Curtis
$25,385.00

Project Title: Curriculum Materials Development in Agricultural Education
Funding Source: "D" Exemplary
Dates: 1/1/75-6/30/75

The Pennsylvania State University
University Park, PA 16802
Richard R. Stinson

Project Title: Development of Supervised Occupational Experiences Materials for Ornamental Horticulture
Funding Source: "C" Research
Dates: 5/1/73-6/30/73

Waynesboro Area School District
Waynesboro, PA 17268

Project Title: Agricultural Supplies Curriculum
This project is underway at the Waynesboro Area School District under the direction of Gerald W. Reichard with

BVE management by James Fink.
The project will produce a curriculum for training students for employment in the rapidly expanding agriculture supply industry.

Funding Source: "B" Ancillary

DISTRIBUTIVE AND BUSINESS EDUCATION

Proj. #13-5225

Dover Area High School
West Canal Street
Dover, PA 17315
(717) 292-3611

James L. Plank
Chairman, Bus. Dept.

Project Title: 702 GENERAL CLERICAL
Description: To develop audio-visual and printed instructional material to be used in training disadvantaged students in the use of the fluid duplicator, the mimeograph machine, and the duplicating process. Students will operate high school duplicating center.
Funding Source: Part "A" - Disadvantaged
Dates: June 1975 - June 30, 1975.

Proj. #10-6190

Greater Johnstown School District
501-509 Chestnut Street
Johnstown, PA 15906
(814) 539-8731

Sharon McGinnis

Project Title: DISTRIBUTIVE EDUCATION
Description: Retailing and wholesaling.
Funding Source: (Part "B" - Regular)
Dates: 7/1/75-6/30/76

Proj. #11-5013

Harrisburg Area Community College
3300 Cameron St. Rd.
Harrisburg, PA
(717) 236-9533

William R. Ferencz
Chairman & Bus. Mgmt. Director
1974-75

Approved Amounts
Local: $ 1,482.68
Federal: $25,958.00

Project Title: UPDATING COURSE AND CURRICULUM MATERIALS FOR SECRETARIAL SCIENCE CAREER PROGRAMS UTILIZING INDIVIDUAL PROGRESS INSTRUCTION
Explanation: Updating course and curriculum materials for secretarial science career programs utilizing individual progress instruction. The majority of funds utilized for the hiring of instructors, secretaries, and paraprofessionals.
Funding Source: Part "B" Postsecondary

Proj. #11-6023

Harrisburg Area Community College
3300 Cameron St. Rd.
Harrisburg, PA
(717) 236-9533

William R. Ferencz
Chairperson & Bus. Management Services Director

Approved Amounts
Federal: $14,860.00

Title of Project: PHASE III - CONTINUATION, IMPLEMENTATION, & COMPLETION OF RETAIL VARIETY STORE INDUSTRY - 1975-76.
Description: This is a third phase of an on-going 3-phase project that provides vocational education opportunities for high school graduates, veterans, minority groups, women, and the underemployed. The dynamic retail variety store industry needs trained management personnel.
Funding Source: "B" Postsecondary

Proj. #10-1084

Armstrong School District
Box 351
410 Main Street
Ford City, PA 16226
( ) 763-7151

Richard Stottburger
Superintendent
1971-72

Approved Amounts
Local: $ 7,909.68
Federal: $42,977.74

Project Title: CURRICULUM DEVELOPMENT
Description: As a result of a thorough and relevant Curriculum Development effort, the regular student will benefit by accerlerating his rate of advancement through use of individualized-lesson procedures as documented on multi-media materials. Where team-teaching concepts are used, students will benefit by having the school district's most capable teachers for the initial instruction.
By training on equipment similar to that used in business offices, student can accept the responsibilities of modern offices without retraining.
Funding Source: Regular - Part "B"

Proj. #14-6016

Cumberland Valley School District
R.D. 1
Mechanicsburg, PA 17055

$3,000.00

Project Title: Typewriting Curriculum Bulletin - Revision. 1975-76
Description: This project is underway at Cumberland Valley School District under the direction of James Parfet, Chairman, Business Education Department with BVE management by Dr. William Selden.
This is a revision of the typewriting bulletin to include technological advances and current practices in the teaching of typewriting. It will include recommended facilities, equipment, supplies, class size and grade placement. Teaching suggestions, techniques, principles and procedures will be included.
Funding Source: Ancillary

Cumberland Valley High
R.D. 1
Mechanicsburg, PA 17055

$6,050.00

Continue revision of Business Education Curriculum Guide-Bulletin 275 - Typewriting. 1976-77
Cumberland Valley High - James A. Parfet - Messers. Selden - DiIorio.
Professional time and clerical support for camera ready copy.
Funding Source: "B" Ancillary
Dates: July 1, 1976-June 30, 1977.

Proj. #14-6015 Hatboro-Horsham School District $ 3,600.00

Project Title: Summer Clerical Skills Laboratory Course. 1975-76.
This project will be developed by Hatboro-Horsham School District under direction of Business Education Department Chairman, Richard Ledyard and four certificated teachers with BVE management by Dr. William Selden. A study guide will be developed based upon the summer work experience of two teachers in current clerical skills.
Funding Source: "B" Ancillary

Proj. #14-6017 Indiana University of Pennsylvania

Project Title: Petroleum Products and Food Products Marketing Evaluation Instrument
Description: This project is being developed by Indiana University of Pennsylvania by Dr. Dennis Tiger and Joseph Bianco under the BVE management of William Reilly.
The project will produce valid and reliable instruments to measure Distributive Education student achievements in the areas of Petroleum Products Marketing and Food Products Marketing.

Indiana University of Pennsylvania — Joseph Bianco, William Reilly — $ 7,479.00

Project Title: Develop Evaluative Instruments for Real Estate and Advertising Curriculum
Description: Professional time, support staff, materials, communications.
Dates: July 1, 1976-June 30, 1977

Philadelphia I.U. #26
21st and Parkway
Philadelphia, PA 19103
Alec Washco

Project Title: CLERICAL SKILLS LAB
Description: Development of a totally individualized Clerical Skills Program (Hardware and Software)
Funding Source: VEA
Dates: April 1970-June 1975.

Proj. #674, #693 Philadelphia I.U. #26
21st and Parkway
Philadelphia, PA 19103
Alec Washco

Project Title: WORD PROCESSING
Description: Development of an individualized one-year Word Processing Program (Hardware and Software).
Funding Source: VEA
Dates: July 1973-June 1976.

Proj. #14-6009 — Pennridge School District, Perkasie, PA 18944 — $ 3,260.00

Project Title: Business Law Curriculum Guide. 1975-76
Description: This project is underway at Pennridge School District under the direction of Mrs. Natalie P. Nichols, Chairman, Business Education Department and BVE management of Dr. William Selden.
A Business Law Curriculum Bulletin will be completed for students and teachers in secondary and adult schools.
Funding Source: "B" Ancillary

Pennridge School District, Perkasie, PA 18944 — $ 3,910.00

Continue writing Business Education Curriculum Guide, Bulletin 280, 1976-77.
Pennridge School District - Natalie P. Nichols - Messers. Selden - DiIorio
Professional time, clerical support for camera ready copy.
Funding Source: "B" Ancillary
Dates: July 1, 1976-June 30, 1977

Pocono Mountain School district
Swiftwater, PA 18370

Project Title: Individual Typewriting Course. 1975-76.
This project is being completed by the staff at Pocono Mountain School District under BVE management of Dr. William Selden.
This is a revision to include new technology and results of proven methods in learning typewriting skills.
Funding Source: "B" Ancillary

Robert Morris College, Narrows Run Road, Corapolis, PA 15108 — $35,875.00

Project Title: Competency Based Instruction in Secondary School Typing-Evaluation Device
Description: Robert Morris College - Dr. Elsie Leffingwell -William Selden - James DiIorio
Professional time, clerical support, computer time, duplication for developmental use, travel, fringe benefits, and communication costs.
Funding Source: "B" Ancillary
Dates: July 1, 1976-June 30, 1977.

Proj. #13-4082 | School District of Philadelphia, 21st Street & Parkway, Philadelphia, PA | Leon Reuben, Acting Director, 1973-74 | Approved Amounts Federal: $144,683.00

Project Title: DEVELOPMENT OF INDIVIDUALIZED INSTRUCTION PROGRAM UTILIZING A BUSINESS SKILL LABORATORY

Explanation: Individualized Instructional packets will be developed to produce clerical typists qualified for entry-level jobs. This proposal is a continuation of a previously approved project. The time from Sept. 1, 73 thru June 30, 74 is designated as Phase II in the proposal. The majority of funding in curriculum is used for the Curriculum Development Specialis and Curriculum Writers.

Temple University, Philadelphia, PA 19122 — William Sassaman, Blanche Curran

Project Title: Development of Curriculum in Warehousing and LAP Component.
Description: Funds will be used for professional services, supplies and conduct of implementation workshop.
Note: Following Approved Under 75-76 Fallout Funds, Teacher Education
Dates: 3/1/76-6/30/76

Temple University, Philadelphia, PA 19122 — Ed Bower, Selden — $ 4,000 00

Project Title: Develop a Course of Study in Sr. Bookkeeping and Accounting.
Dates: Oct. 1, 1976 - Sept. 30, 1977

Temple University, Philadelphia, PA 19122 — Hirshfeld, William Reilly — $ 8,991 00

Project Title: Develop Competency Based Activities/Instruments in Mass Merchandising, Finance and Credit.
Description: Professional time, clerical support, materials, communications.
Funding Source: "B" Ancillary
Dates: July 1, 1976-June 30, 1977

Proj. #14-6020 | Temple University, Philadelphia, PA 19122 | Dr. William Sassaman, William Reilly. | $ 7,079.00

Project Title: Warehousing Task Analysis and Market Survey
Description: This project is underway at Temple University under the direction of Dr. William Sassaman with BVE management by William Reilly.
The project will produce an analysis of tasks in warehousing industry including storage, processing, inventorying and suggestions for implementing a curriculum in this rapidly

expanding field of employment. Fifty area warehousing firms will be surveyed for competencies required.

Funding Source: "B" Ancillary

Proj. #14-6026 Temple University
Philadelphia, PA 19122

Project Title: Apparel Marketing Evaluation Instrument, 1975-76.

Description: This project is being conducted by the Distributive Education staff of Temple University with BVE management by William Reilly.
There will be developed a valid and reliable instrument for evaluating the competencies achieved by Distributive Education students in the area of Apparel Marketing.

Funding Source: "B" Ancillary

Proj. #14-6008 — A.W. Beattie AVTS — $35,000.00
9600 Babcock Blvd.
Allison Park
Pittsburgh, PA 15101

Project Title: HEALTH OCCUPATIONS TEAM TEACHING AND MODULE DEVELOPMENT
Description: This project is being developed at the A.W. Beattie AVTS under the direction of Dr. Saul Danovitz, Dr. Eugene Pandolph and seven health occupations staff members under the BVE managership of A. Louise Harding.
The project will review and screen present learner competencies and develop additional competencies to be achieved both in the classroom and the clinical sector and change the curriculum format to provide for individual specialization of student and incorporate specialized team teaching on the part of the staff to accommodate larger enrollments.
Funding Source: Part "B" Ancillary of P L. 90-576 of 1968 - Curr. Dev. 75-76

Proj. #14-6008 — A.W. Beattie AVTS — Dr. Carolyn Heil
9600 Babcock Blvd. — Prog. Specialist
Allison Park
Pittsburgh, PA 15101

Project Title: TEAM TEACHING APPROACH TO HEALTH OCCUPATIONAL PROGRAMS
Description: To develop modules and a performance-based curriculum which would allow both for individualization and team teaching.
Funding Source: (State)
Dates: 7/1/75-9/30/77

A.W. Beattie AVTS — $40,000.00
9600 Babcock Blvd.
Allison Park
Pittsburgh, PA 15101

Project Title: PRODUCE MODULES IN HEALTH OCCUPATIONS FIELD
Description: Professional Time, Clerical Support, printing 250 copies, travel and supplies.
Funding Source: Part "B" Ancillary
Dates: 7/1/76-6/30/77

Butler County Comm. College — John W. Bacon
College Drive, Oak Hills
Butler, PA 16001

Project Title: NURSING AND AUXILIARY NURSING ARTICULATION PROGRAM
Description: Develop an articulated program directed to upward mobility of nursing and auxiliary.
Funding Source: (Federal and State Research Funds)
Dates: July 1974-June 30, 1976

Proj. #8286

Community College of Allegheny County
South Campus
1750 Clarton Rd.
West Mifflin, PA

Irene Campano
Dir. Allied Health

Project Title: MEDICAL ASSISTANT GPADE I
Description: To train and educate those students interested in assisting a physician in a clinic or office setting.
Funding Source: (Voc. Ed.)
Dates: 6/1/75-9/1/75

Proj. #19-3028

Delaware AVTS
6th & Olive Sts.
Media, PA 19063
( ) 565-4880 Ex. 44

R.D. Klingler

Project Title: DENTAL TECHNOLOGY
Description: Training of students who wish to become Dental Technicians.
Funding Source:
Dates: 1/2/74-6/30/74

Proj. #19-3028

Delaware AVTS
6th & Olive Sts.
Media, PA 19063

Merrill I. Hughes

Project Title: DEVELOPMENT OF INDIVIDUAL INSTRUCTIONAL PACKAGES - DENTAL TECHNOLOGY
Funding Source: Part "C" Research
Dates: 1/1/74-6/30/74

Proj. #14-2097

Educational Projects, Inc.
155 N. Cregg St.
Pittsburgh, PA
(412) 621-4417

Frank Nowak
President
1972-73

Approved Amounts
Local: $ 75,249.00
State: $ 75,249.00
Federal: $154,098.00

Project Title: ALLIED HEALTH PROFESSIONS PROJECT - DEVELOPMENT OF COMPETENCY BASED TRAINING
Description: The ultimate goal of the EPI Allied Health Professions Project is to provide avenues for development of a comprehensive and viable system for the education and training of competent technicians in the Allied Health Field. Desirably, this overall design will be a logical approach toward providing meaningful programs for the development of requisite skills to accommodate the critically needed skilled manpower in these professions. Also, simutaneously establish within the health care institutions the infra-structure requisite to facilitate a more efficient and economical system for health delivery services. The approach will be one of task analysis which will be used as the basis for the development of a competency-based curriculum.

Proj. #14-6029 | Educational Projects Inc.
155 N. Cregg St.
Pittsburgh, PA
(412) 621-4417 | Frank Nowak
President | $54,600.00

Project Title: EMERGENCY MEDICAL TRAINING.
Funding Source: "B" Ancillary
Dates: 1975-76

Proj. #11-3038 | Luzerne Co. Comm. College
Prospect St. & Middle Rd.
Nanticoke, PA 18634 | Wesley E. Franklin

Project Title: DENTAL AUXILIARY FEASIBILITY STUDY
Description: Feasibility study for establishment of a dental auxiliary. program.
Funding Source: VO ED ACT AMENDMENTS of 1968
Dates: 7/1/73-6/30/74

Luzerne Co. Comm. College
Prospect St. & Middle Rd.
Nanticoke, PA 18634 | Wesley E. Franklin

Project Title: NURSING FEASIBILITY STUDY
Description: Feasibility study for the establishment of an Associate Degree Nursing Program.
Funding Source: VO ED ACT 1968
Dates: 7/1/70-6/30/71

Montgomery Co. Comm. College
240 DeKalb Pike
Blue Bell, PA 19422
(215) 634-6000 | Thomas C. Feeney
Joyce Portnoy, Coord.

Project Title: MEDICAL LABORATORY TECHNICIAN PROGRAM
Description: Program to prepare students for the Medical Laboratory Examination.
Funding Source: (Vo Ed.)
Dates: October 1976-July 1977

Montgomery Co. Comm. College
240 Dekalb Pike
Blue Bell, PA 19422
(215) 634-6000 | Kathrine Silko
Coordinator

Project Title: DENTAL HYGIENE PROJECT

Description: Program to prepare dental hygiene students.
Funding Source: (Vo Ed.)
Dates: October 1972-July 1973.

Northampton Co. Comm. College
3835 Green Pond Road
Bethlehem, PA 18017
(215) 865-5351

Virginia Millroy

Project Title: INDIVIDUALZING NURSING INSTRUCTION
Description: Develop self-paced instructional materials for use in an individualized Nursing Program.

Funding Source:
Dates: 7/1/73-6/30/74

Proj. #19-5804

Pittsburgh Bd. of Ed.
341 S. Bellefield Ave.
Pittsburgh, PA 15213

Robert G. Lamping
Kristin Nagg

Project Title: HEALTH OCCUPATIONS ADVANCED STANDING AND ARTICULATION PATTERN
To develop a curriculum which provides advanced standing and articulation between Secondary and Postsecondary level programs for health occupations.
Funding Source: Research Part "C"
Dates: 7/1/75-6/30/76

Proj. #20-6810

Schuylkill County AVTS
420 N. Centre St.
Pottsville, PA 17901
(717) 622-3350

Ray L. Taylor
Director

Project Title: HOME HEALTH MANAGEMENT ASSISTANT
Description: Teach students to take care of the sick at home.
Funding Source: (Part "C" - Research)
Dates: 1975-1977

Temple University
Philadelphia, PA 19122

Delores Miller
A. Louise Harding

$11,600.00

Project Title: DEVELOPMENT OF HEALTH OCCUPATIONS MODULES
Description: Funds will be used for consultants, administration, clerical materials and supplies, rental/ purchase equipment, travel, utilities, conduct of workshops.
Funding Source: "B" Ancillary
Dates: September 1976-June 30, 1977

The Pennsylvania State University
University Park, PA 16802
F. Marvin Hole
A. Louise Harding
$ 4,613.00

Project Title: SELECT AND DEVELOP MODULES FOR HOME HEALTH MANAGEMENT ASSISTANT CURRICULUM
Description: Select components (modules) and develop minimum of three modules.
Dates: July 1, 1976-June 30, 1977

University Of Pittsburgh
Pittsburgh, PA 15260
$11,591.00

Project Title: DEVELOPMENT OF DENTAL ASSISTANT MODULES - SELF PACING
Description: Funds will be used for writing and revising self pacing modules in Dental Office Assisting.
Funding Source: "B" Ancillary
Dates: July 1, 1976-June 30, 1977

Proj. #11-6030
Westmoreland Co.
Comm. College
College Station
Armburst Rd.
Youngwood, PA 15697
(412) 836-1600

Approved Amounts
Federal: $13,225.0(

Title of Project:
Explanation: Westmoreland County Community College proposes to develop a medical records technology program. The program will enroll 25 students per year, graduate 20 students per year with an Associates Degree. Students successfully completing this program will have earned 68 credits including a sound foundation in Computer Science, Anatomy and Physiology and Statistics supporting the Medical-Records training. The program will also be designed to incorporate a Cooperative Education Training Program, special technical upgrading training to those presently working in the field of medical records and special recruitment of efforts for those presently unemployed and economically disadvantaged.
The purpose of this program is to train persons in a skill that is project as a major growth career during the next decade and fulfill a present job demand.
Funding Source: "B" Postsecondary
Dates: 1975-1976

Westmoreland County
Comm. College
Youngwood, PA 15697
Dale L. Craft
Asst. Dean

Project Title: INTEGRATED SCIENCE
Description: To implement a sequence of integrated science courses for various areas of the college.
Funding Source: (Voc. Educ. Grant)
Dates: June 1973- June 1974

HOME ECONOMICS EDUCATION

Aliquippa Senior High School
Harding St.
Aliquippa, PA 15001
(412) 378-8571

Estelle Zettel

Project Title: CURRICULUM REVISION TO EMPHASIZE CONSUMERISM
Description: To incorporate management of human and material resources as an integral part of all phases of the Home Economics Program.
Funding Source: (PA State Vocational Dept.)
Dates: 6/71-6/72

Proj. #23-5837

Aliquippa Senior High School
Harding St.
Aliquippa, PA 15001
(412) 378-8571

Estelle Zettel
Kate Flinn

Project Title: REVISION OF BACHELOR LIVING COURSE
Description: Redirection of content of Bachelor Living Course to include girls and emphasize Consumer Education and Career possibilities.
Funding Source: (PA State Dept.)
Dates: 7/1/75-6/30/76

Proj. #23-2053

Armstrong School District
Box 351
410 Main Street
Ford City, PA 16226

John H. M. Coy

Approved Amounts
Local: $ 2,060.00
State: $ 640.00
Federal: $18,617.50

Project Title: CURRICULUM DEVELOPMENT IN HOMEMAKING EDUCATION
Summary: This project is a continuation of the project previously started in the Armstrong School District to revise the Home Economics program according to the guidelines provided by the Pennsylvania Department of Education. This continued project will provide a coordinator to further develop a homemaking and consumer education curriculum to meet the needs of the regular, disadvantaged and handicapped students attending the seven high schools and one junior high school. Consultants will be provided for our in-service teacher meetings. Materials will be selected and/or developed for classroom use.
Funding Source: "F" Consumer & Homemaking
Dates: 1972-1973

Proj. #22-1018

Bethlehem Area School District
1330 Church Street
Bethlehem, PA 18015
( ) 865-5511

William A. Shuler
Coord. of State & Federal Projects
1971-72

Approved Amounts
Local: $71,723.40
State: $46,725.00
Federal: $24,533.15

Project Title: REDIRECTION AND EXPANSION OF CONSUMER AND HOMEMAKING PROGRAM
Summary: Revised budget for Project Number 22-1004
Funding Source: Consumer and Homemaking Part "F"

Proj. #22-4045

Coatesville Area School District
1515 E. Lincoln Hwy.
Coatesville, PA
(215) 384-8100

R. M. Bontor
Asst. Superintendent
1973-74

Approved Amounts
Federal: $12,013.00

Project Title: UPDATING CONSUMER HOMEMAKING CURRICULUM
Explanation: Coatesville's Curriculum Development Program has not been updated content wise since 1967. New and revised units and courses need to be developed. Grades 6 thru 12 in present areas of emphasis such as Consumer Education, Bachelor of Foods, Bachelor of Clothing, and Advanced Child Development. The latest techniques of curriculum development will be employed including the writing of behavioral objectives.
Funding Source: Part "F" - Consumer and Homemaking - Regular

Proj. #22-1019
(Cont. of #70033)

Coatesville Area School District
1515 E. Lincoln Hwy.
Coatesville, PA 19320
(215) 384-8100

H. Eugene Hollick
Director - Research Tech. & Evaluation
1971-72

Local: $12,276.00
Federal: $51,970.00

Project Title: EXTENSTION OF THE DEVELOPMENT OF UNIFIED CURRICULUM UNITS IN AN INDIVIDUALIZED LEARNING FORMAT WHICH ARE CENTERED ABOUT CONSUMER AND HOMEMAKING SALEABLE SKILL ACTIVITIES
Summary: This proposal is to extend the activities of the initial project, entitled The Development of Unified Curriculum Units in an Individualized Learning Format Which are Centered About Consumer and Homemaking Saleable Skill Activities, in such a way as to make possible the implementation of the learning pace developed under Phase I, by extending the activities on a regular basis to a vastly increased number of students. Through this extension, large numbers of disadvantaged students will develop skills which will permit them to better manage their life activities.
Funding Source: Part "F" Consumer and Homemaking

Proj. #22-6021

Harrisburg City School District
P.O. Box 2645
Harrisburg, PA
(717) 255-2426

Benjamin Turner
Superintendent
1975-76

Approved Amounts
Federal:$10,998.10

Project Title: REDIRECTION OF HOMEMAKING PROGRAM TO MEET THE NEEDS OF INTER-CITY STUDENTS
Explanation: The purpose of this proposal is to maintain the redirected home-making program implemented in grades 9 thru 12 during the 74-75

school year. Emphasis will be placed on developing and revising individualized instructional materials in order to more effectively individualized home economics.

Funding Source: Part "F" Consumer and Homemaking - Regular

Proj. #11-5090

Luzerne Co. Comm. College
Prospect Street and Middle Road
Nanticoke, PA 18634

John M. Beccaris

Project Title: CHILD DEVELOPMENT TECHNOLOGY
Description: Feasibility study for establishment of early childhood education program.
Funding Source: VO ED ACT AMENDMENTS of 1968
Dates: 3/1/75-6/30/75

Proj. #23-4096

School District of City of Erie
1511 Peach Street
Erie, PA

Henry Pilker
Director
1974-75

Approved Amounts
Local: $ 1,825.00
State: $ 240.00
Federal: $17,060.55

Project Title: UPDATING AND IMPLEMENTING A COMPREHENSIVE AND CONSUMER HOMEMAKING PROGRAM
Explanation: Home Economic Curriculum must continually be updated to include all rapid changes in the role of homemaking and careers available in this field in order to keep the consumer and homemaking Part I and II Curriculum updated. It is necessary to retain the services of a department head and consultant and the Part "F" funded teachers so that the home economics courses can be available to a greater number of students who elect home economics, being able to order reference books, phamplets, periodicals, film strips, slides, learning increases the availability of materials for the students and teachers so that they will have the opportunities for greater awareness of the latest developments in home economics.
Funding Source: Part "F" Consumer and Homemaking Depressed

Proj. #23-5804

School District of City of Erie
1511 Peach Street
Erie, PA
(814) 453-3661

Henry Pilker
Director
1975-76

Approved Amounts
Local: $ 1,795.00
State: $ 390.00
Federal: $31,593.26

Project Title: UP-DATING A COMPREHENSIVE CONSUMER HOMEMAKING PROGRAM FOR THE SENIOR HIGH SCHOOL - DEVELOPING A HOME ECONOMICS CURRICULUM FOR THE FIVE MIDDLE SCHOOLS
Explanation: A continued upgrading of the senior high school home economics program is contingent upon the quality of the offerings of home economics in the middle schools and the continued upgrading

of the high school curriculum to meet the changing needs of a Consumer and Homemaking Program. In order for the five middle schools in this district to move to the five areas of home economics and to have students prepared for home economics:

1. The development of a new curriculum at this level is necessary in order to keep the Consumer and Homemaking Parts I, II, and III Curriculum updated and to develop a curriculum for the middle school. It is necessary to retain the services of a department head and the Part "F" funded teacher.

School District of City of Erie 1511 Peach Street Erie, PA	Henry Pilker Director 1972-73	Approved Amounts Local: $ 1,865.00 State: $ 480.00 Federal: $ 9,982.00

Project Title: UPDATING AND DEVELOPING A COMPREHENSIVE CONSUMER AND HOMEMAKING PROGRAM - PART II

Summary: With the implementation of Consumer and Homemaking Part I and II the Home Economics Curriculum in the school district of the City of Erie will have an updated, correlated, program which includes instruction in the five areas of study in home economics. Along with scheduling and increasing staffing to make the courses available to a greater number of students who elect home economics. Students will be afforded increased opportunities for acquiring knowledge in consumer practices, along with the opportunities for greater awareness of the latest developments in home economics.

Funding Source: Part "F" Consumer and Homemaking

Proj. #22-2127	School District of Philadelphia, I.U. #26 734 Schuylkill Ave. Philadelphia, PA	Dorothy Showers	Home Ec.

Project Title: CAREER AWARENESS IN HOME ECONOMICS
Description: Pilot curriculum for home economics occupations orientation.
Funding Source: Part "F"
Dates: 1973

Proj. #22-2100	School District of Philadelphia, I.U. #26 734 Schuylkill Ave. Philadelphia, PA	Dorothy Showers	Home Ec.

Project Title: CURRICULUM AND STAFF DEVELOPMENT IN CONSUMER LAW
Description: Teacher developed activities in consumer law for classroom use.
Funding Source: Part "F"
Dates: 1973

School District of
Philadelphia, I.U. #26
734 Schuylkill Ave.
Philadelphia, PA

Project Title: LEARNING PACKETS IN CHILD CARE AND DEVELOPMENT
Description: Individualized Learning Packets and Teacher Guides in (a) Orientation to the Child and the Family (b) Play-A Child's Work (c) Setting Limits (d) Discovering the World Around Us (e) Talk Talk Talk (f) Food to Grow On (g) Career Opportunities
Funding Source: Part "F"
Dates: 1971-72

Proj. #22-1043
#22-2126
#22-3056
#22-5006

School District of
Philadelphia, I.U. #26
734 Schuylkill Ave.
Philadelphia, PA

Project Title: CONSUMER AND HOMEMAKING FOR STUDENTS IN CONTINUING EDUCATION
Description: Individualized Learning Packets on Nutrition, Parenting, Grooming, and Consumer Education.
Funding Source: Part "F"
Dates: 1972-1975

Prog. #22-1072
#22-2091
#22-3054
#22-5010

School District of
Philadelphia, I.U. #26
734 Schuylkill Ave.
Philadelphia, PA

Project Title: CONSUMER AND HOMEMAKING EDUCATION FOR RETARDED TRAINABLES
Description: Teacher developed learning activities in the five areas of Home Economics, Skills Checklist, Teacher Developed Pre-vocational Skills Units.
Funding Source: Part "F"
Dates: 1972-75

Proj. #22-1070

School District of
Philadelphia, I.U. #26
734 Schuylkill Ave.
Philadelphia, PA

Project Title: CURRICULUM AND STAFF DEVELOPMENT IN CONSUMER EDUCATION
Description: Individualized instruction lessons and units on various subjects in the five areas of Home Economics.
Funding Source: Part "F"
Dates: 1972-73

Proj. #14-6028	The Pennsylvania State University University Park, PA	$39,428.00

Project Title: COMPETENCY BASED HOME ECONOMICS GUIDE
Description: This project is being completed by Dr. Powers at The Pennsylvania State University under the BVE management of Carolyn Kratz. This competency based guide is being developed upon the foundation of an analysis of current practices in the foods preparation and service sectors.
Funding Source: "B" Ancillary

Proj. #30-6024	The Pennsylvania State University University Park, PA	$18,997.00

Project Title:
Purpose: The purpose of this project is to design, implement and evaluate a competency-based instructional media module which will provide an individualized and independent instructional system for vocational home economics teacher education students to develop the ability to use instructional media and related technology as resources for learning.
Funding Source: Teacher Education.
Dates: 1975-76

TECHNICAL AND INDUSTRIAL EDUCATION

Proj. #19-2003
29-3001
19-1026
19-4002

Admiral Peary AVTS
Rt. 422 W.
R.D. #2
Ebensburg, PA 15931

Bryan V. Fluck
Executive Dir.

Project Title: TEMPORARY INDIVIDUALIZED MODULAR EDUCATION SCHEDULING
Description: To develop individualized competency-based instruction according to D.O.T. titles.
Funding Source: (RCU of Pennsylvania)
Dates: 1972-1975

Admiral Peary AVTS
Rt. 422 W.
R.D. #2
Ebensburg, PA 15931

Project Title: DEVELOPMENT OF COMPETENCY BASED CURRICULUM FOR THE MINING AND ENERGY RELATED INDUSTRIES
Description: To implement the instructional materials for the Ameritec concept.
Funding Source: (U.S. Office of Education)
Dates: July 1976-June 1977

Proj. #29-3001

Admiral Peary AVTS
Rt. 422 W.
R.D. #2
Ebensburg, PA 15931

Bryan V. Fluck

$113,299.00

Project Title: TIME SCHEDULING: A COMPETENCY-BASED CAREER EDUCATION PROGRAM
Description:
Funding Source: "C" Research
Dates: 6/1/73-9/30/74

Proj. #29-4002

Admiral Peary AVTS
Rt. 422 W.
R.D. #2
Ebensburg, PA 15931

Bryan V. Fluck
Edward H. Lareau

$ 68,576.00

Project Title: TIME SCHEDULING: A METHOD OF INDIVIDUALIZING INSTRUCTION
Description:
Funding Source: "C" Research
Dates: 7/1/74-6/30/75

Proj. #14-6019

Berks Co. AVTS
Box 602, R.D. 1
Leesport, PA 19533

Project Title: INDIVIDUALIZED INSTRUCTIONAL PACKAGES - MODELS FOR ALL FIELDS
Description: This project is being developed by the Berks County AVTS under the direction of William Bartholomew assisted by 20 vocational instructors under BVE managership of Rex Wright, at a cost reimbursable amount of $29,000.00.

This project will produce courses by competencies on 10 shop/lab areas and develop 40 individualized instruction packages as models for use by students and teachers in self-pacing instructional approach for secondary and adult students.
Funding Source: Part "B" Ancillary
Dates: 1975-1976

Proj. #19-6010 Bradford Area High School
81 Interstate Pkwy.
Bradford, PA 16701
(814) 362-3845
Myron A. Crumrine

Project Title: VOCATIONAL EDUCATIONAL POSSIBILITIES IN THE PETROLEUM INDUSTRY
Description: Study possible development of a course in Petroleum Production.
Funding Source: (Bureau of Voc Ed. Research Coordinating Unit)
Dates: January 1, 1976-June 30, 1976

Bradford Area High
School
81 Interstate Pkwy.
Bradford, PA 16701
(814) 362-3845

Project Title: VOCATIONAL-TECHNICAL COURSE IN PETROLEUM PRODUCTION
Description: Development of course in Petroleum Production.
Funding Source: (Bureau of Voc. Ed. Research Coodinating Unit)
Dates: 7/1/76-9/30/76 -- 10/1/76-9/30/77

Proj. #11-6081 Butler Co. Comm. College
College Drive, Oak Hills
Butler, PA 16001
(412) 287-8711
John W. Bacon

Project Title: CURRICULUM IMPROVEMENT IN DRAFTING TECHNOLOGY
Description: Develop modules for upper level mechanics and strength of materials course.
Funding Source: (State - Feveral Voc.)
Dates: February 1976 - June 1976

Central Columbia School District
4777 Old Berwick Road
Bloomsburg, PA 17815
Richard A. Staber $24,699.00

Project Title: DEVELOPMENT OF MODULAR COURSES IN VOCATIONAL CURRICULUM
Description:
Funding Source: Part "D" Exemplary
Dates: 7/1/73-6/30/74

Proj. #19-3032 Delaware County R.D. Klingler
AVTS
State Building
Sixth and Olive Street
Media, PA 19063

Project Title: DEVELOPMENT OF INDIVIDUAL INSTRUCTIONAL PACKAGES - MATERIALS HANDLING
Description: Creation of individualized instructional packages in materials handling.
Funding Source: (RCU - Part C)
Dates: 1/1/74-6/30/74

Proj. #19-3031 Delaware County R.D. Klingler
AVTS
State Building
Sixth and Olive Sts.
Media, PA 19063

Project Title: DEVELOPMENT OF INDIVIDUAL INSTRUCTIONAL PACKAGES -MACHINE TOOL
Description: Creation of individualized instructional packages in machine tool.
Funding Source:
Dates: 1/1/74-6/30/74

Proj. #19-3031 Delaware Co. Merrill I. Hugues
I.U. #25
State Building
Sixth and Olive Sts.
Media, PA 19063

Project Title: DEVELOPMENT OF INDIVIDUAL INSTRUCTIONAL PACKAGES - Machine Tool (Engine Rebuilding)
Description:
Funding Source: (RCU - Part "C")

Delaware Co. AVTS
State Building
Sixth and Olive Sts.
Media, PA 19063

Purpose: To expand local vocational offerings.
Areas: All
Funding Source: Part "B" Regular

No.	Title	Year
Proj.# 10-3067	DIVERSIFIED OCCUPATIONS	1973-74
Proj.# 10-3068	HEALTH RELATED TECH.	1973-74
Proj.# 10-3069	AUDIO VISUAL COM.	1973-74

Central Westmoreland AVTS
201 Locust Street
Youngwood, PA 15697
(412) 925-3532

William Downs
Director

Approved Amounts
Federal: $15,520.00

Project Title: DEVELOPING INSTRUCTIONAL MATERIALS VIA VIDEO TAPE
Summary: A project designed to produce vocational instructional materials through video tape media and train teachers in the use of the equipment. Also to train teachers to develop and use video-tape instructional program materials.

Central Westmoreland AVTS
R.D. #1, Arona Road
New Stanton, PA 15672
( ) 925-3532

John D. Gomolak

Project Title: MAKING VOCATIONAL INSTRUCTIONAL VIDEO TAPES
Description: To make individualized vocational video tapes in specific subject areas. To be used as course supplement.
Funding Source: (Part "B" Ancillary)
Dates: June 1974-July 1975

Proj. #14-1057
(Cont. of #19-1015)

Crawford Central School District
719 North Main St.
Meadville, PA 16335
(814) 335-6201

James Peters
Director
1971-72

Approved Amounts
Local: $32,900.00
Federal: $99,984.00

Project Title: UNIFYING AND INDIVIDUALIZING VOCATIONAL EDUCATION (Implementation Phase)
Summary: This project is a student centered program which will: a. Articulate the learning process with the vocational-technical world as the core. b. Concern itself with the skills, the growth and development, the interests and needs, and the self-image of the students. c. Individualize the learning program for each student to meet his interests and concerns through a computer retrieval system.
In addition, this project will provide a coordinated program utilizing at least one vocational-technical school and eleven (11) local high schools.
Funding Source: Part "B" Ancillary

Proj. #29-3002

Crawford Central School District
719 North Main St.
Meadville, PA 16335
(814) 335-6201

James Peters

$130,271.00

Project Title: A PROJECT TO DEVELOP A MODEL CAREER-ORIENTED CURRICULUM BY INDIVIDUALIZING THROUGH TECHNOLOGY
Description:
Funding Source: (Part "C")
Dates: 6/1/73-9/30/74

Proj. #10-3070	CARPENTRY	1973-74
Proj. #10-3071	ELEC. TECH.	1973-74
Proj. #10-4402	DATA PROCESSING	1973-74
Proj. #13-3030	REMEDIAL READING & MATH	
Proj. #13-3031	ORN. HORTICULTURE	1973-74
Proj. #13-3032	FOOD MGMT. (ASTON)	1973-74
Proj. #13-3171	VOC. SKILLS EVAL.	1973-74
Proj. #10-5465	INDUSTRIAL ELECTRICITY	1974-75
Proj. #10-5466	AUTOMOTIVE TECHNOLOGY	1974-75
Proj. #10-5419	AUTOMOTIVE MECHANICS (BASIC)	1974-75
Proj. #10-5452	HEALTH ASSISTANT	1974-75
Proj. #10-6331	GRAPHIC ARTS (MARPLE)	1975-76
Proj. #10-6332	FOOD MGMT. PROD. & SERVICE (ASTON)	1975-76
Proj. #10-6474	SCHO. COOP. ED. (ASTON)	1975-76
Proj. #10-6475	PLUMBING (FOLCROFT)	1975-76
Proj. #13-5846	PLACTICS PROD. PROCESSES PROGRAM FOR DISADVANTAGES STUDENTS	1975-76

Proj. #14-3029

Delaware County I.U.
State Building
Sixth and Olive Sts.
Media, PA 19063

Merrill Hughes
Director

Approved Amounts
Local: $14,400.00
Federal: $ 2,968.00

Project Title: INSERVICE DIRECTIVE PRACTICE IN REVISING INSTRUCTIONAL MATERIALS TO EMPHASIZE INDIVIDUAL STUDENT NEEDS

Summary: Delaware County AVTS propose to gage the total instructional and supervisory staff in a three-day inservice program of directive practice. The instructors will work on course behavioral objectives, testing the evaluation instruments, and task oriented instructional packages in updating their course instructional materials. This work will be done by the teachers independently. The supervisory staff will be available for consultation at each of the three service centers if teacher questions arise. The revised materials will be type-written in standard format and reproduced in sufficient quantity to be used by individual students during the 73-74 school year.

Proj. #14-3029 — Delaware County AVTS, State Building, 6th & Olive Sts., Media, PA — R.D. Klingler

Project Title: IN-SERVICE DIRECTED PRACTICE IN REVISING INSTRUCTIONAL MATERIAL TO EMPHASIZE INDIVIDUAL NEEDS
Description: Engage the total instructional and supervisory staff in a 3-day in-service program of directed practice.
Funding Source: (Part "B" Ancillary)
Dates: 5/1/73 - 9/30/73

Proj. #10-2136 — Greater Johnstown AVTS, 445 Schoolhouse Rd., Johnstown, PA — Robert H. Kifer, Director — Approved Amounts: Local: $ 2,028.00; Federal: $17,420.00

Project Title: ALL VO-TECH COURSES
UTILIZATION OF STAFF TO WRITE COURSES OF STUDY
Summary: In order to tie together academic and vocational programs to the best of our abilities and give the students an experience with real continuity, it is necessary to continually revise and write curriculum materials.
These materials will then be utilized by guidance counselors in the area to help them as they plan with their students.
Funding Source: "B" Regular

Proj. #10-2136 — Greater Johnstown AVTS, 445 Schoolhouse Rd., Johnstown, PA — Robert H. Kifer, Director — Approved Amounts: Local: $ 2,028.00; Federal: $17,420.00

Project Title: ABOVE PROJECT CONTINUED
Provided dollars for instructors to write curriculum.
Dates: 7/72-6/73

Proj. #19-5816 — Greater Johnstown AVTS, 445 Schoolhouse Rd., Johnstown, PA — Robert H. Kifer, Director — Approved Amounts: Local: $ 2,028.00; Federal: $17,420.00

Dates: 1975-1976

Proj. # — Greater Johnstown AVTS, 445 Schoolhouse Rd., Johnstown, PA — Robert H. Kifer

Project Title: PROGRAM BUDGET PLANNING
Developing a curriculum based budget in a competency-based system.
Dates: 75-76-77

Proj. #11-6010 | Greater Johnstown AVTS, 445 Schoolhouse Rd., Johnstown, PA | Robert H. Kifer, Director, 1975-76 | Approved Amount Federal: $11,030.00

Title of Project: POSTSECONDARY EDUCATION IN AREA VO-TECH SCHOOL
Activity: By providing an alternative to students that did not exist before postsecondary programs began to operate. We expect to provide the high school graduate with more indepth training in line with his potential to help him function more effectively at a higher technical level. Funding was provided to accommodate the hiring of a director of a curriculum research and development specialist.

Proj. #10-1192 | Greater Johnstown AVTS, 445 Schoolhouse Rd., Johnstown, PA 15904 | Don Thomas

Project Title: CURRICULUM DEVELOPMENT
Description: Initiate system of curriculum development using department heads.
Funding Source: (Vocational Planning)
Dates: 7/70-6/71

Proj. #14-1057, #14-2058, #14-3028, #14-5004 | Northwest Tri-County I.U. #5, 252 Waterford St., Edinboro, PA 16412 | Divid G. Minnis

Project Title: VAULT
Description: A student centered program which will: (a) articulate the learning process with vocational-technical world as the core; and (b) individualize the learning program for students through the use of a computer.
Funding Source: (Part "B" Ancillary - Voc/Ed Amendments of 1968)
Dates: 1971-1975

Proj. #14-6034 | Northwest Tri-County I.U. #5, 252 Waterford St., Edinboro, PA 16412 | Approved Amount $26,596.00

Project Title: VAULT
Dates: 1975-1976

Proj. #16-2267 | Northwest Tri-County I.U. #5, 252 Waterford St., Edinboro, PA 16412 | All except Dist. Ed.

Project Title: UNIFYING AND INDIVIDUALIZING CAREER EDUCATION

Description: Provide a career exploration program for students in grades 7-9.
Funding Source: (Sec. 211, Appalachian Regional Development Act of 1965)

Proj. #29-3005	Northwest Tri-County I.U. #5 252 Waterford St. Edinboro, PA 16412	James Peters	Approved Amount $98,347.00

Project Title: A PROJECT TO DEVELOP A MODEL CAREER-ORIENTED CURRICULUM BY INDIVIDUALIZING THROUGH TECHNOLOGY
Dates: 10/1/73-9/30/74

Proj. #19-4012	Northwest Tri-County I.U. #5 252 Waterford St. Edinboro, PA 16412	David G. Minnis	Approved Amount $54,391.00

Project Title: CONTINUATION AND DIFFUSION OF A MODEL OCCUPATIONAL-ORIENTED CURRICULUM
Funding Source: "C" Research
Dates: 7/1/74-6/30/75

Proj. #14-5023	Jefferson County DuBois AVTS Reynoldsville, PA	Homer L. Horton Director 1974-75	Approved Amounts Local: $ 5,240.00 Federal: $36,695.00

Project Title: VOCATIONAL CURRICULUM DEVELOPMENT
Explanation: After having developed instruction sheets for individualizing the first year of training in eight occupational areas, we have been able to significantly increase the quantity and quality of training in the allocated time. This project is to find a technical illustrator and technical writer to assist our local instructors to develop the instruction sheets necessary to individualize the second year of training in eight occupational areas.
Funding Source: Part "B" Ancillary

Proj. #14-3037	Jefferson County P.O. Box 100 Reynoldsville, PA	Homer L. Horton Director 1972-73	Approved Amounts Local: $ 6,408.00 Federal: $27,600.00

Project Title: VOCATIONAL CURRICULUM DEVELOPMENT
Summary: Over the years vocational educators in the United States have appauled the merits of individualized instruction. Their success in this area has come from extensive use of job sheets, assignment sheets, and in some cases, operation sheets. We believe that the true value of the operation sheet has fallen short of its mark because of the inability of the trade instructor to draw and develop them. This proposal is a one

year effort designed to review our present vocational curriculum and teaching method. The vocational instructor at local district expense over a 40-day period will revise his curriculum. His curriculum will contain a minimum amount of content that require verbal appititude skills. The Technical Illustrator and Technical Writer funded under this project will then develop the operation sheets based on the crewd sketches and basic writing of the instructors. This will finalize an operation sheet requiring visual ability and minimum reading level to comprehend.

Funding Source: Part "B" Ancillary

Proj. #14-6014 Lancaster County AVTS
Willow Street Center
1730 Hans Herr Drive
Box 322
Willow Street, PA 17584

John Riddell
Director

Approved Amount
$ 8,000.00

Project Title: FLOOR COVERING MECHANIC COURSE OF STUDY

Description: This project is being developed at the Lancaster County AVTS, Willow Street Center under the direction of John Riddell and instructors with BVE management of Robert Jacoby. This is a new course in Pennsylvania but can be used as a portion of a Building Maintenance Curriculum. It will be competency based and complete with job sheets, operation sheets and information sheets. It will be available for dissemination to other schools.

Funding Source: Part "B" Ancillary

Dates: 1975-1976

Proj. #11-4050 Lehigh Co. Comm. Col.
2370 Main Street
Schnecksville, PA 18078

Charles Glasser
Edward Troyan

INDIVIDUALIZED INSTRUCTION, COURSE IN DIRECT CURRENT CIRCUITS (Federal)

Proj. #11-4050 INDIVIDUALIZED INSTRUCTION, ALTERNATING CURRENT CIRCUITS

Proj. #11-4804 INDIVIDUALIZED INSTRUCTION, ELECTRONICS CURCUITS

Proj. #11-5845 INDIVIDUALIZED INSTRUCTION, DIGITAL FUNDAMENTALS

Proj. #11-6808 INDIVIDUALIZED INSTRUCTION, MEASUREMENT TECHNIQUES

Proj. #11-4803 INDIVIDUALIZED INSTRUCTION, PHYSICS FOR TECHNICIANS I

Proj. #11-6060 INDIVIDUALIZED INSTRUCTION, PHYSICS FOR TECHNICIANS II

Proj. #11-6805 INDIVIDUALIZED INSTRUCTION, PHYSICS FOR STUDENTS OF ALLIED HEALTH PROGRAMS

Proj. #14-4027 | Lehigh County Voc. Tech School, 2300 Main Street, Schnecksville, PA | Robert A. Nagle, Director | Approved Amounts: Local: $ 1,310.00; Federal: $35,500.00

Project Title: REVISING AND INDIVIDUALIZING VOCATIONAL-TECHNICAL CURRICULUMS

Summary: The aim of this program is to provide the wear with all to the teaching staff of the Lehigh County AVTS in their efforts to revise their existing curriculums and using these curriculums, as a base to begin the development of individualized instructional units. As the school embarks on its proposed building program which will encompass first-level students in the samll time occupational experiences approach to its vocational program, revision becomes necessary. Revising the present curriculum becomes necessary due to the shortened period of specialization. Individualized instruction provide for student differences and to make scheduling more flexible, all to the benefit of the student.

Dates: 1973-1974.

Proj. #194 | Monroe County AVTS, P.O. 66, Bartonsville, PA 18321 | Dr. Walter E. Brown

Project Title: STAFF DEVELOPMENT PROGRAM

Description: To develop staff to open new school.

Dates: 9/72-6/73

Proj. #14-6007 | North Fayette County AVTS, Locust Street Extension, Connellsville, PA 15425 | James Simms, Director | Approved Amounts: $ 7,700.00

Project Title: MINING AND MINE MAINTENANCE TECHNOLOGY CURRICULUM

Description: This project is being developed at North Fayette County AVTS under the direction of Mr. James Simms of Joy Manufacturing Company and under BVE management of Robert Jacoby.
This will be a curriculum of three years in mining operations and maintenance of mining equipment. (Electrical, Hydraulic and Mechanical) Joy Manufacturers is purported to be the largest manufacturer of mining equipment.

Funding Source: "B" Ancillary

Dates: 1975-1976

Northampton Co. Area Comm. College, 3835 Green Pond Road, Bethlehem, PA 18017 | Frank Ensminger

Project Title: AUTOMOTIVE TECHNOLOGY PROGRAM

Description: Develop automotive technology program and its instructional components.

Dates: 1/73-6/75

Proj. #10-1275 — Northern Chester County Tech. Sch., Charlestown Rd., Phoenixville, PA 19460 — Donald L. Langley, Director

Project Title: CURRICULUM WRITING
Description: To develop curriculum in all areas of instruction in full-time AVTS.
Funding Source: Federal
Dates: 7/1/71-6/30/72

Proj. #17001 — Penn Hills Sch. District, 12200 Garland Dr., Pittsburgh, PA — John Recklitis, Director

Project Title: DEVELOPING A TOTAL CURRICULUM DESIGN FOR TEACHING SERVICE OCCUPATIONS
Description: Same as title.
Dates: 1966-1969

Proj. #13-6141 — Philadelphia AVTS, 734 Schuylkill Ave., Philadelphia, PA 19146 — Ross Frazier, Acting Director

Project Title: PERSONALIZED INDIVIDUALIZED VOCATIONAL OCCUPATIONS TRAINING (PIVOT)
Description: Provide individualized materials for T & I areas.
Funding Source: (Act of 1968)
Dates: 7/72 - Present

Proj. #14-6043 — School District of the City of Erie, 1511 Peach St., Erie, PA — Henry F. Pilker, Director, 1975-76 — Approved Amounts Federal: $15,285.00

Project Title: CURRICULUM DEVELOPMENT
Explanation: This proposal will provide for the development of the following components in the initial phase of a curriculum development project for vocational education. Job Description, course outline, major divisions of occupation, identification of tasks, and writing performance objectives for each task.
Funding Source: Part "B" Ancillary

Proj. #14-6043 — School District of the City of Erie, 1511 Peach St., Erie, PA — Daniel G. Tempestini, Coord., Vo Ed. Dept.

Project Title: CURRICULUM DEVELOPMENT FOR VOCATIONAL EDUCATION
Description: Update curriculum for vocational teachers.
Funding Source: (Part "B" Ancillary - Federal)
Dates: 5/1/76-6/30/76

Proj. #10-6373

School District of the City of Erie
1511 Peach Street
Erie, PA 16501

Henry F. Pilker
Director
1975-76

Approved Amounts
Federal: $25,822.00

Name of Activity: CURRICULUM PERSONNEL AND MEDIA SPECIALISTS
Explanation: Due to the greatly expanded curriculum at Technical Memorial High School Twin-Tech, it is imperative that attention be directed to the preparation of basic courses of study in areas of instruction. This proposal will make it possible to assign personnel to the Twin-Tech staff who will assist all vocational teachers in the development of meaningful courses of study which will greatly enhance learning of all persons enrolled in the program. Project will cover all areas of vocational education as well as Business Education.

Proj. #10-1081

Somerset County AVTS
R.D. #5, Vo-Tech Rd.
Somerset, PA 15501

Nicholas Zarichansky
Coordinator

Project Title: CURRICULUM DEVELOPMENT
Description: Develop curriculum materials and course study for each course in the Somerset County AVTS.
Funding Source: (Part "B" VEA funds)
Dates: 9/71-8/72

The Pennsylvania State University
University Park, PA 16802

Approved Amount
$60,495.00

Project Title: DEVELOPMENT OF COURSE OF STUDY MATERIAL IN NINE AREAS, T & I.
Description: Funds will be used for consultants in non pay status for honoraria, per diem and mileage. For producing and mailing draft copies to practicing teachers and producing limited revised copies.
Funding Source: Part "B" Ancillary Curriculum Development Projects 1976-77
Dates: July 1, 1976 - June 30, 1977
Purpose: The purpose of this project is to build on Phase I of the course of study development presently under investigation at The Pennsylvania State University. It will provide beginning and established teachers with a guide to assist in providing their students with complete occupational skills and understanding. The completed course of study will be sent to each Pennsylvania teacher of the occupational specialty for their criticisms, and then it will be revised and printed. Penn State University; Monitor: Mr. Robert Jacoby; $51,899.

Proj. #10-4822

Upper Bucks County AVTS
R.R. #2, Box 207
Perkasie, PA 18944
(212) 795-2911

Richard E. Frank
Curr. Specialist

Project Title: IN-SERVICE EDUCATION FOR STAFF
Description: The development of curriculum and updating of course outlines.
Funding Source: (Federal funds)
Dates: 6/16/75-6/27/75

Proj. #10-1251

Wilkes-Barre AVTS
669 N. Washington St.
Wilkes-Barre, PA 18705
(717) 822-4131

Walter Wood
Superintendent

Approved Amounts
Local: $ 695.00
Federal: $67.051.00

Project Title: COMPREHENSIVE CURRICULUM DEVELOPMENT PROGRAM FOR AVTS
Summary: The Wilkes-Barre AVTS is being constructed and a September 1972 opening is planned. The expenditures for this proposal will be used to implement a program in Curriculum Development in the year prior to the opening of the school. A curriculum Development Coordinator, who will become Coordinator of Vocational and Adult Education when it is operational, will be employed to administer this program. He will be responsible for developing curricula for all programs, to meet with Craft Advisory Committees, review Course Outlines, study shop layouts and equipment lists, and extensively visit other schools and evaluate operating programs. From these sources he will develop suggested Courses of Study and evaluate and procure testbooks for each program. He will develop and procure a Library for the school and Technical Libraries for each program that will be used in direct relationship to instruction in the Instructional Planning Centers. He will evaluated and procure Curriculum Source Materials and Audio-Visual Materials that will orginate from the multi-media center and supplement instruction in the Instructional Planning Centers. Courses of Study will be submitted to the Department of Vocational Education at the completion of the program, and Technical Library & Library listings, Curriculum Source Materials and Audio Visual Listings will be submitted by November 1, 1971.
Funding Source: "B" Regular
Dates: 1971-1972

Proj. #10-1251

Wilkes-Barre
AVTS
P.O. Box 1699
Wilkes-Barre, PA
(717) 822-4131

Ted Hess
Coord.
Robert F. Jones
Director

Project Title: CURRICULUM DEVELOPMENT
Description: Selection and purchases of textbooks and A.V. materials for a newly opening AVTS.
Funding Source: (Part "B" Secondary - regular & disadvantaged)
Dates: 1971-1972

Proj. #10-2168

Wilkes-Barre AVTS
Jumper Rd., R.D. #2
Wilkes-Barre, PA 18705
(717) 822-4131

Robert Jones
Director

Approved Amount:
Federal: $49,487.01

Project Title: COMPREHENSIVE CURRICULUM DEVELOPMENT PROGRAM FOR AREA VOCATIONAL-TECHNICAL SCHOOL

Summary: The Wilkes-Barre Area VTS is scheduled for a September, 1972 opening. On August 1, 1971 we began our Comprehensive Curriculum Development Program for the purpose of developing and expanding course outlines from materials gathered during the initial planning development period. During the past year, course outlines have been prepared, reference libraries and instructional materials lists have been developed and are being purchased. During the next year when the school is operational and the faculty has been employed, the Curriculum Development Program will be directed toward expanding the course outlines into workable courses of study for each program, reviewing and purchasing textbooks and a limited number of reference books, purchase of additional audio-visual aids and training materials to be used in conjunction with the multi-media system. Other activities of the coordinator administering this program would include: working with the multi-media personnel to fully develop and expand the multi-media system in conjunction with teacher needs making periodic reviews of teacher performance and progress with curriculum development. He would develop sound-slide programs for use in public relations and enrollment promotion, attend workshop meetings and conferences to gain a better understanding of vocational programs operating throughout the State. Meetings with Craft Advisory Committees would be made to assist instructors in developing their courses of study.

Funding Source: Regular Part "B"
Dates: 1972-1973

Proj. #19-6803

Williamsport Area
Comm. College
1005 W. Third St.
Williamsport, PA 17701

William Stevens

Project Title: INSTRUCTIONAL DEVELOPMENT FOR THE SERVICE AND OPERATION OF HEAVY EQUIPMENT PROGRAM

Description: Develop behaviorally-oriented project sheets, films, and tapes for various student projects: To include: study guide and systematic instructional procedures.

Funding Source: (Research Coordinating Unit)
Dates: 10/1/76-9/30/77

SPECIAL NEEDS
(DISADVANTAGED AND HANDICAPPED)

Proj. #13-5132

Admiral Perry AVTS
Rt. 422, R.D. #2
Ebensburg, PA 15931
(814) 472-6490

Bryan Fluck
Director

Approved Amounts
Local: $ 3,855.64
Federal: $25,600.00

Project Title: FINALIZING COURSE MATERIALS FOR DISADVANTAGED STUDENTS
Explanation: The Admiral Perry AVTS has been developing course materials based on career education and task analysis in 20 fields. These programs have been extremely successful and the teachers, administrators and industry are impressed with the outcome. A large group of students attending the Admiral-Perry AVTS are disadvantaged in one or more categories as designated by the U.S. Office of Education. The teachers are not writers or illustrators and the main objective of the program is to develop the task sheets so that any school or any part of industry can use them. This will present them in a final form for publication. The majority of funding used to provide a technical illustrator and a technical writer to prepare curriculum materials.
Funding Source: Part B Disadvantaged

Proj. #17-4074

Bristol Township School District
800 Coates Avenue
Bristol, PA
(215) 943-3200

Frank Greco
Dir. of Pupil Personnel
1973-74

Approved Amounts
Federal: $17,831.31

Project Title: SPECIALIZED VOCATIONAL TRAINING PROGRAM DEVELOPMENT
Summary: Handicapped people have special vocational training needs which are not generally met in existing programs. Needs exist, but programs do not. Careful analysis of peoples in work situations is the best basis for this specialized program development. From this analysis, courses of study and complete training manuals will be written for vocational training programs in child care work, housekeeping, building maintenance, stock clerk work, and food service work. (Existing school facilities will be used as training stations). Skilled paraprofessionals under the direct supervision of a special education teacher will be the vocational trainers.

Proj. #28-1010

Bucks County Inter. Unit
Admin Bldg.
Doylestown, PA 18901
(215) 348-2940

Dr. H. James Ross
Ass't. Ex. Dir.

Approved Amounts
Local: $23,650.00
Federal: $83,205.00

Project Title: OCCUPATIONAL-TRANSITIONAL EDUCATION
Summary: *22,000 Secondary Students (Grades 10, 11, 12)
Estimated 15% of students are disadvantaged equaling 3,300 (one half male, one half female). Regular Part "B" Funding through the three planning units in Bucks County Intermediate

Unit is not expected to include more than 20% of this number of the disadvantaged secondary population as they are not presently in an area vocational-technical school.

*20% of 3,100 equals 2,480.

Proj. #10050

Bucks County Inter. Unit
Admin. Bldg.
Doylestown, PA 18901
(215) 348-2940

Joseph H. Vallone — Tech. & Indust.

Project Title: TRANSITIONAL-OCCUPATIONAL EDUCATION FOR VOCATIONALLY TRAINING THE DISADVANTAGED AND HANDICAPPED
Description: Training of instructors to teach the disadvantaged and handicapped in vocational education development of curriculum
Funding Source: Part "A" - Disadvantaged
Dates: 7/1/70-6/30/71

Community College of Allegheny County
South Campus
Rt. #885
West Mifflin, PA
( ) 469-1100

Mary Alice Herbert
Assoc. Prof.
Ext. 391 by appt.

Project Title: VOC PROJECT (VOCATIONAL OPPORTUNITY CENTER)
Description: To upgrade entrance and survival capabilities of disadvantaged students in vocational programs. NOTE: More direct service to students than curriculum emphasized.
Funding Source: (Vocational Disadvantaged - State Dept. of Ed.)
Dates: 7/74-9/77

Proj. #13-4125

Delaware County I.U.
6th & Oliver Sts.
Media, PA
(215) 565-4880

Merrill I. Hughes
Director of Voc. Ed.
1973-74

Approved Amounts
Local: $ 7,130.00
Federal: $32,000.00

Project Title: DEVELOPMENT OF LEARNING PACKAGES FOR DISADVANTAGED USE IN 22 OCCUPATIONAL AREAS
Explanation: This project will bring together teachers of vocational subjects, teachers of disadvantaged children, and media specialists in work sessions to produce program materials that can be used with a Singer-Graflex Evaluation System. These materials will be in 22 occupations and will provide directions to individual students in developing entry-level skills. These prepared materials will be used by the laboratory teachers as perscriptions to better meet the individual needs of the disadvantaged students. Prior to the use of thse materials, students needs have been identified by an evaluator to assign the student to a job

specific preparatory class. The prepared materials will consist of carrying case, audio cassettes, 35mm film sequences and story guides.

Proj. #13-4125

Delaware County AVTS
6th & Oliver Sts.
Media, PA
(215) 565-4880

R. D. Klingler

Project Title: DEVELOPMENT OF LEARNING PACKAGES FOR DISADVANTAGED YOUTH IN 22 OCCUPATIONAL AREAS

Description: These materials will be in 22 occupations and will provide directions to individual students.

Funding Source: (Part "B" Disadvantaged)

Dates: 1/1/74-6/30/74

Proj. #17-6029

Eastern Northampton Cty. Area VTS
R.D. #1 Kesslersville Rd.
Easton, PA 18042
(215) 258-2857

James E. Bell
Director 1975-76

Approved Amounts
Local: $26,820.20
State: $62,500.00
Federal: $32,034.70

Project Title: VOCATIONAL EDUCATION FOR SECONDARY SPECIAL EDUCATION STUDENTS

Explanation: A three-year program has been established at the vocational-technical school, Eastern Northampton County, which provides pre-vocational exploratory experiences, related, remedial, academic instruction, vocational education, and a supervised work experience for secondary level handicapped students. In the past the program has experienced both success and growth. In order to provide the services needed by the 140 students who will be enrolled in 75-76, it is proposed that all phases of the 74-75 program be continued. The pre-vocational exploratory phase, to include the Horticulture Program begun in 73 and 74 and the vocational counseling program. As in the past, the program will utilize the facilities of the vocational-technical school as well as rented facilities adjacent to the school.

Funding Source: Part B Handicapped

Proj. #28-4002

Hazleton Area School Dist.
20th & Piece Sts.
Hazleton, PA
(717) 455-9551

Paul Wensko
Director
1973-74

Approved Amounts
Local: $ 8,000.00
Federal: $38,128.00

Project Title: INDIVIDUAL LEARNING PACKETS FOR EDUCATIONALLY DISADVANTAGED VOCATIONAL EDUCATION STUDENTS

Summary: Articulated with the multi-media approach operating at the voc. tech school is a special career program being conducted

at the Hazleton Area Vocational-Technical School. This program can enhance the shop teachers' efficiency by placing at their disposal, individualized learning packets geared to formulated basic skills necessary for establishing a base line of knowledge needed for successful shop experiences.

Funding Source: Part A Disadvantaged

Proj. #28-6023

Greater Johnstown
445 Schoolhouse Road
Johnstown, PA 15904

Paul Neatrour

Project Title: VOCATIONAL GUIDANCE COUNSELOR
Description: Proper guidance program for disadvantaged vocational students.
Funding Source: (Part A Disadvantaged)
Dates: 7/1/75-6/30/76

Proj. #17-6081
#17-6051

I.U. # 24
Chester County Career Center
33 Modena Road
Coatesville, PA 19320

Bruce R. Taylor — Tech. & Indust.

Project Title: PREVOCATIONAL PROGRAM AND MAINSTREAMING HANDICAPPED
Description: -Prevocationally to provide vocational experiences on an exploratory basis.
-Mainstreaming handicapped students into AVTS.
Funding Source:
Dates: 9/27 - Present.

Proj. #22-5001
#22-6008

Lincoln, I.U. #12
P.O. Box 70
Cross Keys, PA 17350

Dr. Robert H. Dech
Beth (Deardorff) Mohler

Project Title: HOME AND COMMUNITY ADJUSTMENT PROGRAM
Description: To provide basic skill curriculum materials to teachers of educable mentally retarded students.
Funding Source: (Part "F")
Dates: November 74 - September 76

Proj. #28-6011

I.U. #26
School District of Philadelphia
734 Schuylkill Ave.
Philadelphia, PA
(215) 299-7144

Stanley B. Cohen — Bus Ed. & Dist. Ed.

Project Title: INDIVIDUALIZED INSTRUCTION IN BUSINESS, DISTRIBUTIVE AND COOPERATIVE EDUCATION
Description: Locating and developing materials for Skills Centers.
To be implemented 9/77.
Funding Source: Federal Government VEA
Dates: 7/1/75-9/3-/77

Proj. #17-3032

Kiski Area School District
184 Sherman Avenue
Vandergrift, PA
(412) 567-6791

James R. Daniels
Superintendent
1972-73

Approved Amounts
Federal: $11,100.00

Project Title: VOCATIONAL CURRICULUM DIRECTIVE DEVELOPMENT TEAM FOR MENTALLY HANDICAPPED

Summary: Mentally handicapped peoples can be more productive vocationally. They can be trained to perform a wide range of jobs. Each need help during the training for a job, actually on-the-job and between jobs. A vocational curriculum directive development team for mentally handicapped peoples for the four participating districts would serve to develop their ability to apply sound rationale thinking to vocational judgments decision and living experiences to help in their attainment and improvement of marketable employment skills in job areas to see feasibility of the modification and expansion of the vocationally oriented secondary program for mentally handicapped peoples to other schools with similar age pupils. To foster the implementation of a functionally vocationally oriented program at the four secondary schools and to develop and write a vocationally oriented curriculum for mentally handicapped people from ages 15 thru 21 in the Westmoreland I.U.
Majority of funding for this project used for curriculum specialist in vocational education.

Funding Source: Part "B" Handicapped

Proj. #17-6004

Lehigh County VTS
2300 Main St.
Schnecksville, PA
(215) 799-2300

Joseph Kach

Project Title: A SPECIAL EDUCATION/VOCATIONAL EDUCATION RESOURCE ROOM AND CONSULTING SPECIAL EDUCATION TEACHER PROGRAM FOR LEARNING DISABLED STUDENTS -- A MAINSTREAM APPROACH

Description: Collect and develop teaching materials for learning disabled students of the non-reading and writing nature.

Funding Source: Part "B" Handicapped
Dates: 7/1/75-6/30/76

Proj. #28-4023

North Hill School District
4900 Parry Hwy.
Pittsburgh, PA
(412) 366-5600

Dr. Gillur
1973-74

Approved Amounts
Local: $ 480.00
Federal: $26,980.00

Project Title: LEARNING MODES FOR VOCATIONALLY ORIENTED 9th AND 10th GRADE STUDENTS

Explanation: A three-phase project to prepare educationally disadvantaged students with appropriate knowledge, skills and attitudes for cooperative work experinece programs in post-secondary employment. This project will focus on the needs and interests of students

following completion of grade 8. The project will develop and test a program to produce individual student profiles based upon diagnosis and identification of learner characteristics; design a curriculum for grades 9 and 10 for this population and provide for program validation. Based upon the findings of this three-phase program the program will be implemented and evaluated during the 74-75 school year.

Funding Source: Part A Disadvantaged

Proj. #17-4027

School District
City of Erie
1511 Peach Street
Erie, PA
(814) 453-3661

Henry Pilker
Director
1973-74

Approved Amounts
Federal: $18,573.72

Project Title: DEVELOPMENT OF COMPREHENSIVE PLAN FOR VOCATIONAL EDUCATION FOR HANDICAPPED IN THE CITY OF ERIE

Summary: This proposal will assist the local school district in the development of an updated and well-rounded vocational education curriculum for the handicapped student.

Proj. #13-4078

School District of
Philadelphia
21st & Pkwy. St.
Philadelphia, PA

Stanely Cohen
Director

Approved Amounts
Local: $ 75,750.00
Federal: $102,442.00

Project Title: VOCATIONAL EDUCATION MEDIA CENTER (1973-74)

Summary: Services at Vocational Education Media Center will assist students who require special help to succeed in a regular vocational education program. The Center will accomplish this goal by developing, coordinating and distributing educational materials which will relate to the disadvantaged student enabling him to benefit from a vocational education program. The Center will work in conjunction with vocational education directors and will deal with modified commercially prepared materials and preparing materials with student and teacher assistants. Prepared materials and other related services will also be provided.

Proj. #13-4088

School District of
Philadelphia
21st and Pkwy.
Philadelphia, PA

Sylvia Sharp
Director

Approved Amounts
Federal: $58,530.00

Project Title: COMPUTER-BASED MANAGEMENT SYSTEM SKILLS CENTER (1973-74)

Summary: A computer-based management system will be developed to be used initially with the disadvantaged students in the skill Center which is opening in September, 1974. This system will be adapted to the students who are not succeeding in regular work.

Proj. #13-4100 School District of Philadelphia
21st and Pkwy.
Philadelphia, PA
(215) 448-3000

Approved Amounts
Federal: $70,263.30

Project Title: PRE-VOCATIONAL EXPLORATION (1973-74)
Summary: A ninth grade pre-vocational exploration program designed for educationally disadvantaged youth will be developed. The subject areas included will be construction, power mechanics, and graphic communications under the direction of a specialist in each of the three areas. Groups of teachers will be instructed in concepts pertinent to the subject areas and will begin development of appropriate curriculum materials. These materials will be implemented on a trial-basis to the extent that time permits.

Proj. #17-4080 School District of Philadelphia
(215) 448-3000
S. Sharp

Approved Amounts
Federal: $38,675.00

Project Title: COMPUTER MANAGED INSTRUCTION - SPECIAL ED (1973-74)
Summary: Expansion of computer managed instructional system designed to bring retarded educable pupils to a level of mastery in those skills that will assure a learner success in vocational courses. The system is designed for the Tailoring and Restaurant Practice Shops. Increased utilization of the existing center to serve the individualized needs of students is also proposed.

CAREER EDUCATION

Proj. #74-010G

I.U. #16
Central Susquehanna
P.O. Box 213
Lewisburg, PA 17837
(717) 524-4431

Richard E. Cassel

Project Title: CAREER DEVELOPMENT GUIDE FIELD TESTING
Description: Field test and revise PDE Career Development Guide; develop and provide in-service training for use of Guide.
Funding Source: (ESEA TITLE III: ESEA TITLE IV, PART "C")
Dates: 7/1/74-6/30/76

Proj. #182

I.U. #16
Central Susquehanna
P.O. Box 213
Lewisburg, PA 17837
(717) 524-4431

Kathleen Gearhart

Project Title: CAREER EDUCATION SERVICES
Description: Provide written career information for middle school students.
Funding Source (ESEA TITLE III)
Dates:

Proj. #76-473C

I.U. #16
Central Susquehanna
P.O. Box 213
Lewisburg, PA 17837
(717) 524-4431

James B. Finn

Project Title: THE STATE CAREER EDUCATION PLAN FOR BRINGING ABOUT COMMUNITY LEARNING
Description: To present the rationale and plan for disseminating The Pennsylvania Guide for Instructional Improvement Through Career Education, Entitled Getting Started: A Guide For Writing Your Own Curriculum.
Funding Source: (ESEA TITLE IV, PART "C")
Dates: 10/1/76-9/30/77

Proj. #19-5001

I.U. #16
Central Susquehanna
P.O. Box 213
Lewisburg, PA 17837
(717) 524-4431

Glenn Simington

Project Title: CSIU - CAREER EDUCATION INSTITUTE
Description: Intensive inservice in career education, curriculum infusion, community involvement; development of support and multiplier systems in local districts.
Funding Source: (RESEARCH Coordinating Unit - Part "C")
Dates: 9/1/73-9/30/77

Proj. #19-3009 — I.U. #16, Central Susquehanna, P.O. Box 213, Lewisburg, PA 17837, (717) 524-4431 — Carl W. Pepperman

Project Title: PROJECT IMPROVE
Description: Plan, develop, implement, and evaluate a career guidance model for the identification, career education, vocational guidance, and placement of youths and their families handicapped by academic and socio-economic factors.
Funding Source: (RESEARCH Coordinating Unit - PART "C")
Dates:

Proj. #19-6013 — I.U. #29, Schuylkill — Edward Lyba

Project Title: SCHUYLKILL COUNTY OCCUPATION CAREER EDUCATION PROGRAM
Description: To determine the most effective ways of offer a legitimate general Industrial Arts, Business, Science and Home Economics, Program
Funding Source: (Federal)
Dates: 10/1/76-9/30/77

Proj. #10-4194 — Lehigh County AVTS, 2300 Main STreet, Schnecksville, PA, (215) 799-2300 — Robert Nagle, Director, 1973-74 — Approved Amounts Federal: $26,480.00

Project Title: CLUSTER CURRICULUM DEVELOPMENT
Explanation: It is our opinion at the Lehigh County Vocational-Technical School that the development of career clusters for first level students will enhance our programs serving the students of Lehigh County. In such a program each student is helped to develop a very broad awareness of full-range of career options in the world of work. At the same time he is helped to develop his own self-awareness to become cognizant of his own strengths and weaknesses, his aptitudes and capabilities and interests and needs so that he can make a realistic consideration of himself in relation to the many career options available in the world of work. MAJOR OBJECTIVE of such a program is to assist the students in finding a meaningful career path to follow. It is further hoped to provide entry-level skills in a broader range of job classifications. The program will serve all occupations presently offered at the Lehigh County Voc. Tech. School.
Funding Source: Part "B" - Regular

Proj. #19-3023 | Lehigh County AVTS, 2300 Main Street, Schnecksville, PA, (215) 799-2300 | Robert A. Nagle | Approved Amounts $16,000.00

Project Title: CLUSTER CURRICULUM DEVELOPMENT
Funding Source: "C" Research
Dates: 10/1/73-6/30/74

Proj. #10-5453 | Lehigh County AVTS, 2300 Main Street, Schnecksville, PA, (215) 799-2300 | Robert Nagle, Director, 1974-75 | Approved Amounts Local: $19,110.00 Federal: $44,000.00

Project Title: CLUSTER CURRICULUM AND BUILDING DEVELOPMENT
Explanation: During the year 73-74 this project was approved and financed under DEBE 131 Part "C". At that time we all agreed it would be a three-year pilot project and our findings would be made available statewide. 131 funds have been withdrawn, thus we wish to continue this project using 134 Part "B" Funds. Since we are already in the schematic drawing stage and personnel have been appointed to complete the job. It is our opinion that the development of career clusters for first level people will enhance our program, serving the students of our County. Our major objective is to develop a career awareness to assist students in making meaningful career decisions. It is further assumed that this program will provide entry-level skills in a wider range of job classifications, thus broadening our offering to further implement the Commissions Report on Basic Education. Curriculum development in this area will cover all aspects of vocational education. Provisions are being made to include handicapped and disadvantaged as well.
Funding Source: Part "B" Secondary

Proj. #10-6403 | Lehigh County AVTS, 2300 Main Street, Schnecksville, PA, (215) 799-2300 | Robert A. Nagle, Director, 1975-76 | Approved Amounts Local: $17,865.50 Federal: $61,110.00

Project Title: CLUSTER DEVELOPMENT
During the year 1974-75 this project was approved and financed under DEBE -131 Part "C". At that time we all agreed it would be a three-year pilot project and our findings would be made available statewide. 131 Funds have been withdrawn, thus we wish to continue this project using 134 Part "B" funds. Since we are already in the schematic drawing stage and personnel have been appointed to complete the job. It is our firm opinion that the development of career clusters for first-level people who want hands-on program serving the students of our County. Our major objective is to develop a career awareness to assist students in making meaningful career decisions.

It is further assumed that this program will provide entry-level skills in a wider range of job classifications, thus broadening our offering to further implement the commissions report on basic education. Curriculum development in this area will cover all aspects of vocational education. Provisions are being made to include handicapped and disadvantaged.

Proj. #10-6403

Lehigh County AVTS
2300 Main Street
Schnecksville, PA
(215) 799-2300

Rodney Meagher

Project Title: CLUSTER CURRICULUM DEVELOPMENT
Description: Develop 65 hour (approximate) curriculums to meet project objective to develop a career awareness to assist students in making meaningful career decisions in the Multi-Occupational Experiences curricula.
(This project will be put in use when building is completed).
Funding Source: Regular Part "B"
Dates: 7/1/75-6/30/76

Middle Bucks County AVTS
Old York Road
Jamison, PA 18929

Joseph Kach

Project Title: SUMMER CURRICULUM WORKSHOP
Develop curricula for exploratory offerings to tenth grade students.
Funding Source: (Federal)
Dates: 6/18 -6/29/73

Proj. #17-4013

Midwestern I.U. #4
Maple Street
Grove City, PA
(412) 458-6700

Phillip R. Phelps
Executive Director
1973-74

Approved Amounts
Federal: $10,120.00

Project Title: CURRICULUM DEVELOPMENT A PRE-VOCATIONAL THRUST
Summary: The program will provide an integrated pre-vocational thrust curriculum that will better prepare youth for entry into the world of work. The program will expose him to occupational materials, help him evaluate his interests, attitude and skills, so that he can make a wise choice of occupations and at the same time learn academic skills.

Proj. #17-4013

Midwestern I.U. #4
Maple Street
Grove City, PA
(412) 458-6700

Angelo Pezzuolo
Prg. Specialist

Project Title: A PRE-VOCATIONAL THRUST - SEC. EMR STUDENTS
Description: To develop adequate adult living skills, from use of leisure

time and successful employment.
Funding Source: (Part "C" -Vo/Ed)
Dates: 7/1/73-6/30/74

Proj. #10-3754 — School District of Philadelphia, Parkway at 21st St., Philadelphia, PA — Stanley B. Cohen, Director of Skills Center — Approved Amount Federal: $23,439.39

Project Title: CONSORTIUM ON CAREER EDUCATION TO DEVELOP EXPLORATORY PROGRAMS GRADES 9-12
Explanation: Philadelphia School District wishes to enter into a consortium under the alliance for career education in Ohio State University. (In Columbus, Ohio). The increasing number of students who leave formal educational systems without adequate preparation is reflected in the relatively high unemployment educational offerings. Relatively high unemployment rate for young workers. One possible solution to this problem is the restructuring of existing educational offerings. This restructure would provide for the infusion of career development concepts and vocaional elements throughout the curriculum. Programs served; Metal Working Cluster, Business and Office Cluster, Communications Cluster.
Funding Source: Part "B" Secondary

Proj. #14-6021 — School District of Philadelphia, Parkway at 21st St., Philadelphia, PA — $86,091.96

Project Title: CONT. - ALLIANCE CAREER EDUCATION (1975-1976)

Proj. #20-6814 — Schuylkill, 420 N. Center St., Pottsville, PA — Edward Lyba

Project Title: SCHUYLKILL OCCUPATIONAL CAREER EDUCATION PROGRAM
Description: 1st Year - Ind. Arts - Developing material for grades 8 and 9 -- Better Career Choice -- Basic Skills -- I.U. wide project.
Funding Source: (Part "C" 1st year -- Part "D" Exemplary 2nd year)
Dates: 75-76/77-78

Proj. #11-6047 — South Campus, CC of Allegheny, 1750 Clairton Rd., Rt. 885, West Mifflin, PA — Elizabeth Booker, Asst. Dean of Nursing, 1975-76 — Approved Amount Local: $10,695.00 Federal: $13,615.00

Title of Project: DEVELOPMENT OF A CAREER LADDER IN NURSING
Explanation: The outcome of the project will be a curriculum plan for a

Nursing Education Program that supports the concept of career mobility from Health Care Assistant to Practical Nurse to Registered Nurse. Basic to developing such a plan would be the clarification of expected competencies of each level and the identification of knowledge from nursing biological and behavioral sciences and humanities needed to function at each level.

Funding Source: "B" Postsecondary

Proj. #19-3039

Youth Development Center School I.U. #1
R.D. #1, Box 67
Waynesburg, PA 15370
(412) 627-8101 Ex. 227

Peter D. Ramesas

Project Title: PRE-EMPLOYMENT PREPARATION FOR A YOUTH DEVELOPMENT CENTER

Description: Establish a career resource center and develop and implement a pre-employment course of study for primary use by students in a Youth Development Center.

Funding Source: (Vocational Education/Special Category Program -- Research & Related Part "C")

Dates: 2/1/75-6/30/75

ADULT VOCATIONAL EDUCATION

Proj. #11-6016

Community College of Philadelphia
34 S. 11th Street
Philadelphia, PA
(215) L09-3680

Edward A. Reilly
Director

Approved Amount
State: $ 2,780.00
Federal: $27,460.00

Title of Project: DEVELOPMENT OF CURRICULUM FOR OLDER ADULT WORKERS (1975-76).
Explanation: The objective of this project is the development of training programs or a curriculum which would upgrade the job skills of persons who are employed by agencies or organizations that serve the elderly and which would prepare other persons for careers in the field of service to older adults. Funding was provided for a project director and a curriculum development specialist at half-time.
Funding Source: Part B Post-Secondary

Proj. #12-5124

Lancaster County AVTS
1730 Hans Herr Dr.
Willow Street, PA
(717) 464-2771

Ralph Layman
Director

Approved Amount
Federal: $28,720.00

Project Title: DEVELOPMENT OF AN EXPERIMENTAL CURRICULUM FOR LANCASTER COUNTY ADULT VOCATIONAL EDUCATION
Explanation: The expected outcomes from this project are to develop a stronger adult vocational program by improving curriculum through selected and tested components that are learner-centered. A majority of funding utilized for the salary of coordinator of adult curriculum.

Proj. #12-5124

Lancaster County AVTS
1730 Hans Herr Dr.
Willow Street, PA
(717) 464-2771

Albert Mathews
Coord. Adult Ed.

ALL AREAS

Project Title: DEVELOPMENT OF AN EXPERIMENTAL CURRICULUM FOR LANCASTER COUNTY
Description: To develop a stronger adult education program by improving curriculum through selected and tested components that are learner-centered.
Funding Source: (Part B - Adult)
Dates: 3/1/74-6/30/75

Proj. #11-6031

Northampton Cty Area Comm. College
3835 Greenpond Rd.
Bethlehem, PA 18017
(215) 865-5351

Kenneth Woodbury
Dean for Resource Division
1975-76

Approved Amount
Local: $14,874.00
Federal: $15,478.00

Title of Project: COLLEGE AT HOME PROGRAM
Explanation: The College At Home Program is an external program project designed to fulfill a need for postsecondary vocational

education for citizens unable to receive instruction in regularly scheduled college classes. Instruction is individualized and a variety of programs such as Accounting, Data Processing, and Secretarial Science so that program requirements may be completed by the student in his home. It is especially designed for inmates, working adults, and women tied to the home who experience educational and economic disadvantages.

W. A. Connor, Dean

Project Title: COLLEGE AT HOME PROGRAM
Description: Prepare curriculum materials in vocational education for Home Study Course.
Funding Source: Part B Post-Secondary
Dates: 7/1/73-6/30/76

VOCATIONAL MATH AND ENGLISH

Proj. #14-2115* | Altoona AVTS, 1500 Fourth Avenue, Altoona, PA 16603 | Daniel A. Clark | $25,000.00

Title of Project: COMPUTER ASSISTED INSTRUCTION MATHEMATICS PROJECT
Funding Source: "C" Research
Dates: 9/1/72-6/30/73

*Funded with Ancillary (Part B) monies via a supplement grant to the Research Coordinating Unit.

Proj. #19-3013 | Altoona AVTS, 1500 Fourth Avenue, Altoona, PA 16603 | Daniel A. Clark | $15,120.00

Title of Project: COMPUTER ASSISTED INSTRUCTION MATHEMATICS PROJECT (Continuation of 14-2115)
Funding Source: "C" Research
Dates: 7/1/73-6/30/74

Butler Co. Comm. College, College Drive, Oak Hills, Butler, PA 16001 | John W. Bacon

Title of Project: COMPUTER ASSISTED INSTRUCTION PROGRAM
Description: Directed to supporting technical students in their mathematics and mathematics oriented programs.
Funding Source: (Federal Voc. Funds)
Dates: July 1972 - June 1973

Community College of Beaver County, College Drive, Monaca, PA 15061, (412) 775-8561 | Dr. Paul Ohm, Vice Pres. for Academic Affairs

Title of Project:
Description: Prepare remedial English, reading, math, and algebra courses.
Funding Source: (Vo-Ed.)
Dates: 10/75-5/76

Proj. #19-1053 | Delaware AVTS, State Bldg., Sixth & Olive Sts., Media, PA 19063 | M. I. Hughes

Title of Project: REMEDIAL MATH FOR VOCATIONAL STUDENTS
Description: Raise math competency level of Vo-Tech students.
Funding Source: (Part "C")
Dates: 3/1/72-6/30/72

Hazleton AVTS
23rd & McKinley St.
Hazleton, PA 18201
(717) 455-9551 Ex. 64

Manfred C. Marotta

Title of Project: BASIC SKILLS
Description: To provide tenth grade students entering the Vocational School with basic skills in mathematics, trade related, basic blueprint reading, and basic tool identification.
Funding Source: (federal)
Dates: Sept. 1971-June 1974

Proj. #14-2095

Neshaminy School District
2001 Old Lincoln Hwy.
Langhorne, PA 19047
(215) 757-6901

Dr. Joseph E. Ferderbar
Asst. Superintendent for Instr.

Approved Amounts
Local: $49,918.90
Federal: $19,612.80

Title of Project: EXEMPLARY ENGLISH/LANGUAGE ARTS CURRICULUM DEVELOPMENT PROGRAM FOR VOCATIONAL-TECHNICAL EDUCATION STUDENTS
Summary: An Exemplary English/Language Arts Curriculum Development Program for Vocational-Technical Education Students - A Pilot Project Proposal to the Bureau of Vocational Technical and Continuing Education (BTCE) and The Research Coordinating Unit (RCU), Department of Education, Commonwealth of Pennsylvania, for Support Funding of an Exemplary Pilot Project, Phase II (Phase I - #19-1032, approved September 10, 1971).

Neshaminy School District
2001 Old Lincoln Hwy.
Langhorne, PA 19-47
(215) 727-6901

Joseph E. Ferderbar

Title of Project: EXEMPLARY ENGLISH/LANGUAGE ARTS CURRICULUM DEVELOPMENT PROGRAM FOR VOCATIONAL-TECHNICAL EDUCATION STUDENTS
Funding Source: Part C Research
Dates: 7/1/72-6/30/73

North Montco AVTS
Sumneytown Pike
Lansdale, PA 19446

Approved Amounts:
Local: $ 500.00
Federal: $15,595.00

Title of Project: MATH CURRICULUM DEVELOPMENT
Summary: Students are in need of specific training in vocations involving mathematical concepts. Monies allocated for this course will be used to write a realistic activity oriented approach to careers these students may later enter. The North Montco Vocational Technical School has been consulted concerning the value of this course. They have indicated a great need for

this course and value to the students. Funds will also be used for dissemination of materials once prepared. This course would be valuable for anyone interested in choosing many of the following careers: Bldg. Construction Technology, Chemical Technology, Architecture Technology, Electronic Technology, Automotive Trades - Auto Body Repair, Electrical Trades - Radio & Television, Service Trades - Food Preparation, Metal Trades - Welding, Machine, Metal Fabrication, Building Trades - Construction Carpentry, Masonry, Plumbing and Heating, Agriculture, Nursing.

MISCELLANEOUS

Proj. #4044

Central Susquehanna I.U. #16
P.O. Box 213
Lewisburg, PA 17837

Larry Swisher

Project Title: VOCATIONAL ASSESSMENT PROGRAM
Description: Student pre-vocational evaluations provide information for planning educational strategies and providing reality base for vocational counseling.
Funding Source: (Part "B" - Handicapped)
Dates: 1/1/74-6/30/76

Proj. #6058

Central Susquehanna I.U. #16
P.O. Box 213
Lewisburg, PA 17837

Larry Swisher

Project Title: STUDENT'S VOCATIONAL EDUCATION AND TRAINING
Description: Handicapped students are trained through a work-experience program by trained para-professionals in an individualized program.
Funding Source: (Part "B" - Handicapped)
Dates: 1/1/74-6/30/76)

Proj. #14-6006

Chester-Upland School
Ninth and Bailey Streets
Chester, PA 19013

$ 8,000.00

Project Title: LAW ENFORCEMENT COURSE OF STUDY, 1976-76.
Description: This project is being conducted in Chester-Upland School District by the instructor, Mr. Charles Davis under BVE management of Robert Jacoby.
This will be a new formally produced course of study for dissemination to other vocational school districts. Proven meritorious elements will be included and pitfalls eliminated as a result of successfully conducting the course over the past three years.
Funding Source: "B" Ancillary

C.M. Schwab
Vocational School
111 E. 9th Ave.
Homestead, PA 15120
( ) 464-3630

Byrle W. Carl

Project Title: PART "B" SECONDARY - PUBLIC LAW 90-576
Description: To upgrade the equipment in the Vocational and Business Education Departments.
Funding Source: (Part "B" funds, under Voc. Amendments of 1968)
Dates: 1970-1975

Proj. #11-6017 | Community College of Philadelphia, 34 S. 11th Street, Philadelphia, PA, (215) 109-3680 | Edward A. Reilly, Director | Approved Amounts: State: $ 2,780.00; Federal: $22,133.00

Title of Project: DEVELOPMENT OF CURRICULUM IN GOVERNMENT SERVICE 1975-76.
Explanation: The objective of the proposed project is the development of a two-year associate degree curriculum and a one-year certificate curriculum in government service. The curricula will prepare entrance for specified roles in government agencies located in the city of Philadelphia and they will provide opportunities for career advancement for persons already employed by these agencies.
Funding Source: "B" Postsecondary

Proj. #19-1061 | Delaware AVTS, State Building, 6th & Olive Sts., Media, PA 19063 | R.D. Klingler

Project Title: BEHAVIORAL OBJECTIVE WORKSHOP
Description: A research and development workshop for vocational teachers in writing behavioral objectives for 55 instructional areas.
Funding Source: (Part "C")
Dates: 6/16/72-6/30/72

Proj. #31049-19 | Delaware AVTS, State Building, 6th & Olive Sts., Media, PA 19063 | R.D. Klingler

Project Title: CREATING AND USING INSTRUCTIONAL AIDS
Description: To develop an understanding of techniques used to provide Vocational Education to youth and adults who do not have an opportunity for such training.
Funding Source: EPDA Part "F"
Dates: 6/17/74-6/18/74

Proj. #31049-31 | Delaware AVTS, State Building, 6th & Olive Sts. | R.D. Klingler

Project Title: CREATING AND USING INSTRUCTIONAL AIDS
Description: Develop skills of vocational teachers to work with audio-visual materials and equipment.
Funding Source: IPDA Part "F"
Dates: 8/19/73

Proj. #74049 — Delaware AVTS, State Building, 6th & Olive Sts., Media, PA 19063 — A.K. Gallagher

Project Title: CAREER DEVELOPMENT - FOCUS ON CURRICULUM
Description: Development of learning experiences; broad based systems approach for career development.
Funding Source: (Title III Funds - ESEA)
Dates: August 1974

Proj. #14-1021 — Educational Projects Inc., 155 N. Craig St., Pittsburgh, PA 15213, (412) 621-4417 — Frank E. Nowak, Exec. Vice Pres., 1971-1972 — Approved Amounts: Local: $75,498.00, Federal: $75,498.00

Project Title: VOCATIONAL/TECHNICAL EDUCATION AND TRAINING: ACCOMMODATING CRITICALLY NEEDED SKILLED MANPOWER FOR THE COMMONWEALTH
Description: The primary purpose of this program is to conduct functional analysis of tasks requisite to perform required occupations in industry and to atriculate these results to the appropriate academic institution designated by the Commonwealth. Educational Projects, Inc. experience as a result of this analysis would enable the corporation to be of assistance in the development of innovative curricula and/or training materials to provide realistic instruction at the secondary or associate degree level to meet the critically needed manpower.
Funding Source: Part "B" Ancillary

Proj. #19-4803 — George Jr. Republic, Grove City, PA, (412) 458-5500 — Francis Gressly

Project Title: CAREER RESOURCE CENTER FOR APPROX 250 COURT ADJUDICATED DELIQUENT BOYS
Description:
Funding Source:
Dates: February 1975-October 1977

Proj. #28-5034 — George Jr. Republic, Grove City, PA, (412) 458-5500 — John Kauffman — Tech. & Indust.

Project Title:
Description: To purchase supplies
Funding Source:
Dates: 5/9/75-6/30/76

Juniata-Mifflin Co. AVTS
Box 1010
Lewistown, PA 17044
(717) 248-3933

James E. Harpster

Project Title: SURVEY OF BUSINESS AND INDUSTRY
Description: Labor Market Study.
Funding Source: (Part "B" - Federal)

Proj. #11-6056

Luzerne Co. Comm. College
Prospect Street & Middle Rd.
Nanticoke, PA 18634

William Camp

Tech. & Indust.

Project Title: CRIMINAL JUSTICE FEASIBILITY STUDY
Description: Establishment of a Criminal Justice Associate Degree Program.
Funding Source: VO ED ACT AMENDMENTS OF 1968

Proj. #14-1068

Millcreek Township School District
3740 W. 26th Street
Erie, PA 16506
(814) 838-4571

Hughes D. Bunninger
Assist. Supt.
1971-72

Approved Amounts
Local: $ 4,400.00
Federal: $10,525.00

Project Title: PREPARATION OF PLANNED COURSES IN THE HOME HIGH SCHOOL FOR MORE APPROPRIATE PROGRAMS FOR VOCATIONAL-TECHNICAL AND VOCATIONALLY ORIENTED STUDENTS
Description: Millcreek Township School District, as well as other county schools, is aware that students are avoiding vocational training and there is unrest on the part of students who are at the Erie Voc-Tech School with the home school. With only 60% of Millcreek's Vo-Tech quota being filled, necessary steps must be taken so that the educational program at the home school is the appropriate and meaningful for vocational students. The school district plans to work cooperatively with other county schools (counselors, teachers, administrators, vo-tech personnel) to develop planned courses.
Funding Source: "B" Ancillary

Proj. #20-5004

School District of Philadelphia
John F. Kennedy Center
734 Schuylkill Ave.
Philadelphia, PA 19146

Stanley B. Cohen

$32,470.00

Project Title: IMPLEMENTATION OF THE CLUSTER CONCEPT IN TWO VOCATIONAL AREAS IN AN AREA VOCATIONAL TECHNICAL SCHOOL SETTING
Funding Source: "D" Exemplary
Dates: 7/1/74-6/30/75

Proj. #19-3003 — The Pennsylvania State University, Universtiy Park, PA 16802 — Dr. Thomas F. Powers — $29,380.00

Project Title: DEVELOPMENT OF A VALIDATED INSTRUCTIONAL SYSTEM FOR HOSPITALITY EDUCATION
Funding Source: "C" Research
Dates: 7/1/73-6/30/74

Proj. #19-6802 — Williamsport Area Community College, 1005 W. 3rd. Street, Williamsport, PA 17701, ( ) 326-3761 — Dr. Daryl J. VanderWilt, Anna Weitz

Project Title: ERADICATING SEXISM IN VOCATION EDUCATION
Description: Determine sex stereotyping in counseling, instructional and placement activities. Assess instructional and career related materials for sex stereotyping.
Funding Source: (Research Coordinating Unit)
Dates: 10/1/76-9/30/77